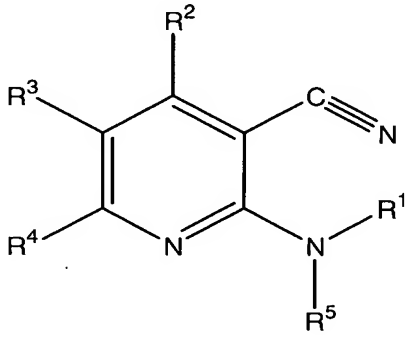
WHAT IS CLAIMED IS:

1. An anminocyanopyridine compound, or a pharmaceutically acceptable salt or tautomer or isomer thereof, the compound having the structure:

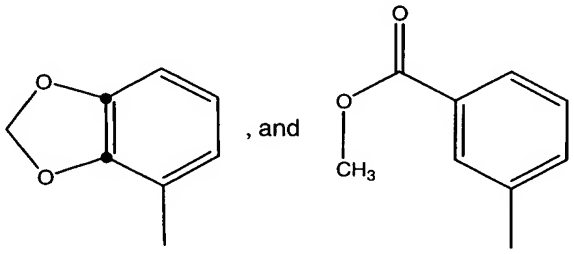


wherein:

R^1 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, carboxy C_1-C_4 alkyl, aryl C_1-C_4 alkyl, amino, amino C_1-C_4 alkyl, C_1-C_4 alkoxy, C_1-C_4 alkylamino, C_1-C_4 alkyl, di-(C_1-C_4 alkyl)amino C_1-C_4 alkyl, C_1-C_4 alkyl-C_1-C_4 alkyl, hydroxy C_1-C_4 alkyl, and aryl C_1-C_4 alkylcarbonyl;

R^2 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, amino, amino C_1-C_4 alkyl, C_1-C_4 alkylamino, aryl, heteroaryl, heterocyclyl, carboxy, carboxy C_1-C_4 alkyl, C_1-C_4 alkoxy, hydroxy, hydroxy C_1-C_4 alkyl, hydroxy C_1-C_4 alkylamino, hydroxy C_1-C_4 alkoxy, C_1-C_4 alkoxy C_1-C_4 alkyl, C_1-C_4 alkoxy C_1-C_4 alkylamino, amino C_1-C_4 alkylamino, aryl C_1-C_4 alkyl, C_1-C_4 alkylamino C_1-C_4 alkyl, di C_1-C_4 alkylamino C_1-C_4 alkyl, C_1-C_4 alkyl C_1-C_4 alkyl, carboxy C_1-C_4 alkyl, aryl C_1-C_4 alkylcarbonyl, phthaloamino C_1-C_4 alkyl, halo, carbamyl, C_1-C_4 alkylthio, C_1-C_4 alkoxyarylamino, C_1-C_{10} mono- and bicyclic cycloalkyl, wherein aryl, heteroaryl, heterocyclyl, mono- and bicyclic cycloalkyl are optionally substituted with one or more of the groups selected from halogen, hydroxy, C_1-C_4 alkoxy, aryloxy, C_2-C_4 alkenyloxy, C_2-C_4 alkynyloxy, C_1-C_4 alkyl, carboxy, carbamyl, C_1-C_4 alkoxycarbonyl, C_1-C_4

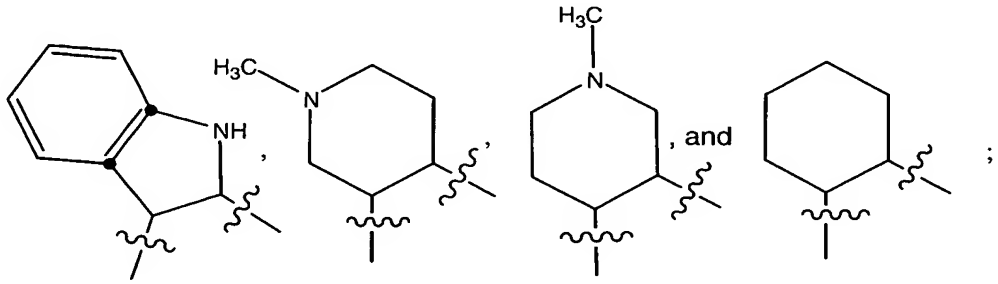
alkoxycarbonyl C_1-C_4 alkoxy, carboxy C_1-C_4 alkoxyamino, C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4 alkyl, tri-halo C_1-C_4 alkyl, hydroxy C_1-C_4 alkoxy, halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy,



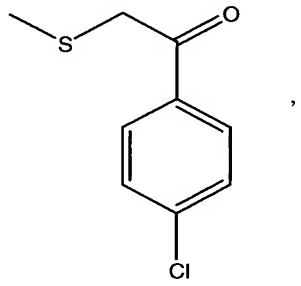
with the proviso that when R^2 is aryl, it is not substituted with nitro;

R^3 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, cyano, amino C_1-C_4 alkyl, amino, aryl, wherein the aryl group is optionally substituted with one or more group selected from halogen, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkyl, carboxy, C_1-C_4 alkoxycarbonyl, carboxy C_1-C_4 alkoxy, amino, di- C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4 alkyl, tri-halo C_1-C_4 alkyl, halo C_1-C_4 alkoxy, di-halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy, except that when R^2 is heteroaryl, R^3 is other than cyano, and

where the R^2 and R^3 groups are such that they optionally join to form a ring system selected from:



R^4 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, hydroxy, C_1-C_4 alkylthio, C_1-C_4 alkoxy, C_1-C_4 alkoxycarbonyl, mercapto, *N*-imidazoylphenyl, C_1-C_4 isoalkyl, aminofluorobenzhydryl, aryl and heteroaryl, wherein the aryl and heteroaryl groups are optionally substituted with one or more groups selected from halogen, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkyl, C_1-C_4 alkylthio, C_1-C_4 alkylsulfonyl, C_1-C_4 alkylsulfinyl, cartoxy, carbamyl, C_1-C_4 alkoxycarbonyl, carboxy C_1-C_4 alkyl, carboxy C_1-C_4 alkoxy, amino, di- C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4 alkyl, tri-halo C_1-C_4 alkyl, halo C_1-C_4 alkoxy, di-halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy



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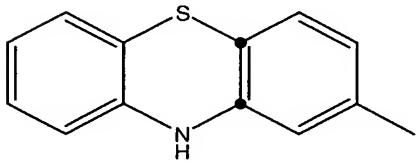

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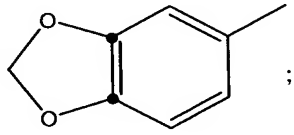

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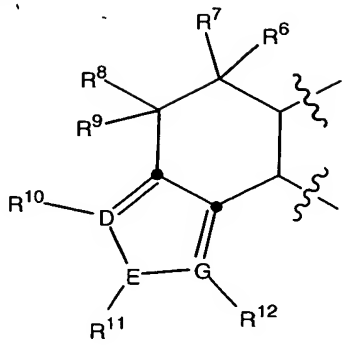
wherein the R^3 and R^4 groups are such that they optionally join to form a ring system selected from: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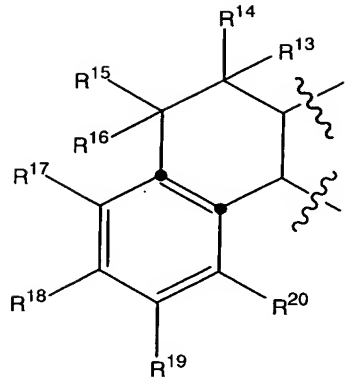
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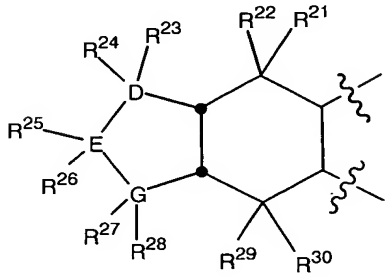
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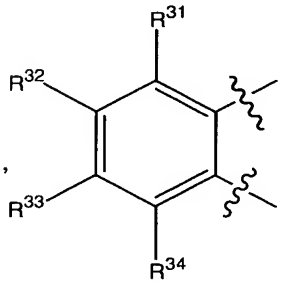
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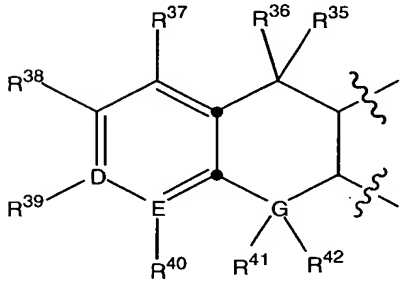
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R38
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R41
R42

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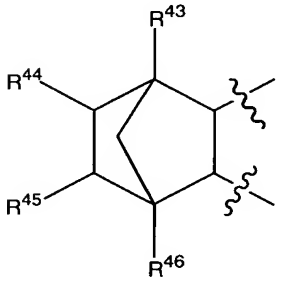
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R44
R45
R46

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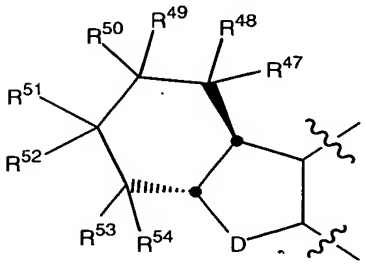
R50
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R54
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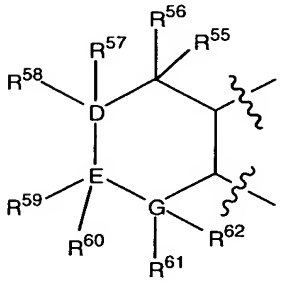
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R62
R61

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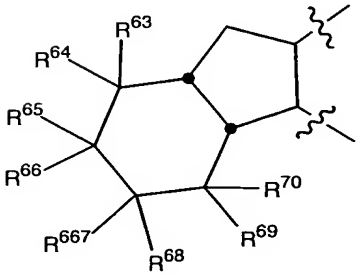
R63
R64
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R70
R667
R69
R68

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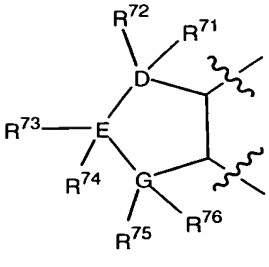
R72
R71
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R73
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R74
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R76
R75

;

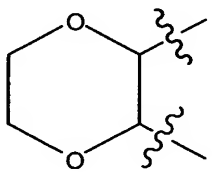
D, E and G are each independently selected from carbon, oxygen, sulfur, and nitrogen;

R^5 is selected from the group consisting of -H, and C_1-C_5 alkyl, provided that at least one of R^1, R^2, R^3, R^4 and R^5 is other than hydrogen; and

wherein the R^1 and R^5 groups optionally join to form a piperidyl ring or a oxaxinyl ring;

R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18}, R^{19}, R^{20}, R^{21}, R^{22}, R^{23}, R^{24}, R^{25}, R^{26}, R^{27}, R^{28}, R^{29}, R^{30}, R^{31}, R^{32}, R^{33}, R^{34}, R^{35}, R^{36}, R^{37}, R^{38}, R^{39}, R^{40}, R^{41}, R^{42}, R^{43}, R^{44}, R^{45}, R^{46}, R^{47}, R^{48}, R^{49}, R^{50}, R^{51}, R^{52}, R^{53}, R^{54}, R^{55}, R^{56}, R^{57}, R^{58}, R^{59}, R^{60}, R^{61}, R^{62}, R^{63}, R^{64}, R^{65}, R^{66}, R^{67}, R^{68}, R^{69}, R^{70}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, and R^{76} are each optionally present and are each independently selected from the group consisting of -H, C_1-C_4 alkyl, C_2-C_4 alkenyl, C_2-C_4 alkynyl, C_1-C_4 isoalkyl, amino, nitro, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkenoxy, oxo, carboxy, halo, halo C_1-C_4 alkyl, dihalo C_1-C_4 alkyl, trihalo C_1-C_4 alkyl, cyano, cyano C_1-C_4 alkyl, dicyano C_1-C_4 alkyl, halophenyl, hydroxy C_1-C_4 alkoxy, C_1-C_4 alkoxy C_1-C_4 alkoxy, -(CH_2)-O-(C_6H_4)-O-(CH_3), carboxy C_1-C_4 alkoxy, C_1-C_4 alkylcarboxy C_1-C_4 alkoxy, C_1-C_4 alkoxyamino, C_1-C_4 alkylamino, di C_1-C_4 alkylamino, tri C_1-C_4 alkylamino, amino C_1-C_4 alkoxy, diamino C_1-C_4 alkoxy, C_1-C_4 alkylamino C_1-C_4 alkoxy, di C_1-C_4 alkylamino C_1-C_4 alkoxy, cyano C_1-C_4 alkoxy C_1-C_4 alkyl, -(CH_2)-O-(CF_2)-CHF_2, tetra C_1-C_4 alkoxy C_1-C_4 alkyl, phenyl, benzyl, benzoyl, aryl, *N*-morpholinyl, morpholinyl C_1-C_4 alkoxy, pyrrolidyl C_1-C_4 alkoxy, *N*-pyrrolidyl C_1-C_4 alkoxy, C_1-C_4 alkylcarboxy, carboxy C_1-C_4 alkyl - ethyl ester, pyridyl C_1-C_4 alkyl, pyridyl C_1-C_4 alkoxy, -COO-CH_2-CH_3, with the proviso that when E is -N-, R^{38} is other than cyano, and that when G is -N-, R^{36} is -H; and

wherein R^{38} and R^{39} are such that they optionally join to form a ring system of the type selected from:



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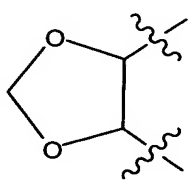


;

with the proviso that when R^1, R^3 and R^5 are hydrogen:

R^2 is other than alkenyl, alkyl, alkynyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocycle, heterocyclealkyl, heterocyclealkylcarbonyl, (NZ_1Z_2)alkyl, or $-R_AR_B$;

where Z_1 and Z_2 are each independently selected from the group consisting of hydrogen, alkoxycarbonyl, alkyl, alkylcarbonyl, benzyl, benzyloxycarbonyl, and formyl;

R^A is selected from the group consisting of aryl and arylalkyl;

R^B is selected from the group consisting of aryl, arylalkoxy, arylalkyl, aryloxy, heterocycle, and heterocyclealkyl; and

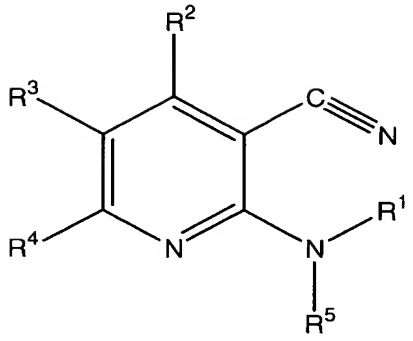
R^4 is other than alkenyl, alkoxyalkynyl, alkyl, alkynyl, cycloalkyl, aryl, arylalkyl, heterocycle, heterocyclealkyl, or $-R_CR_DR_E$;

where R_C is selected from the group consisting of aryl, arylalkyl, heterocycle and heterocyclealkyl;

R_D is selected from the group consisting of aryl, arylalkoxy, arylalkoxyimino, arylalkyl, aryloxy, heterocycle, heterocyclealkoxy, heterocyclealkyl, heterocyclecarbonyl, heterocycleimino, heterocycleoxy, heterocycleoxyalkyl, heterocycleoxyimino, heterocycleoxyiminoalkyl, and heterocyclesulfonyl; and

R_E is absent or selected from the group consisting of aryl, arylalkoxy, arylalkoxyimino, arylalkyl, aryloxy, heterocycle, heterocyclealkoxy, heterocyclealkyl, heterocyclecarbonyl, heterocycleimino, heterocycleoxy, heterocycleoxyalkyl, heterocycleoxyimino, heterocycleoxyiminoalkyl, and heterocyclesulfonyl.

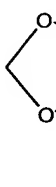
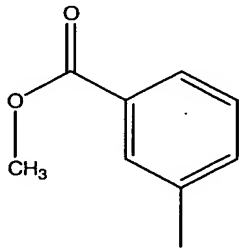
2. The compound according to claim 1, having the structure:



wherein:

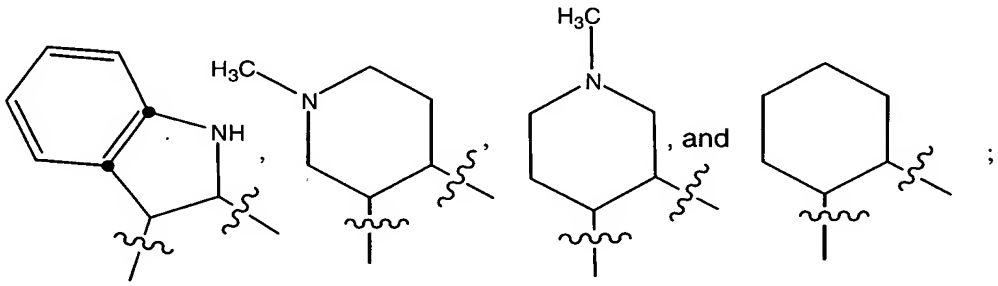
R^1 is selected from the group consisting of -H, methyl, ethyl, propyl, butyl, -(CH_2)COOH, phenyl, pyridyl, dimethylaminoethyl, methoxyethyl, tetramethylaminoethyl, carboxymethyl, and phenylacetyl;

R^2 is selected from the group consisting of -H, methyl, ethyl, propyl, butyl, amino, phenyl, methoxy, carboxy, carboxymethyl, hydroxyethylamino, propylamino, ethylamino, methylamino, methoxyethyl, ethoxyethylamino, aminoethylamino, benzylamino, dimethylaminoethylamino, phthaloaminoethyl, fluorophenyl, difluorophenyl, chlorophenyl, bromophenyl, furyl, carbamylpyrryl, methyl-1,3-isodiazoyl, 1,3-isodiazoyl, 1,3,4-triazoyl, methoxyphenyl, -$S(CH_3)$, tetramethylaminoethyl, acetylaminophenyl, methoxyphenylamino, carboxyphenyl, carboxy-3-isopyrryl, cyanophenyl, cyclopropyl, phenoxyphenyl, pyridyl, dihydroxybromophenyl, difluoromethoxyphenyl, trifluoromethylphenyl, trifluoromethylfluorophenyl, hydroxyphenyl, methylaminomethyl, methylaminoethyl, thiophyl, pyrryl, aminomethyl,

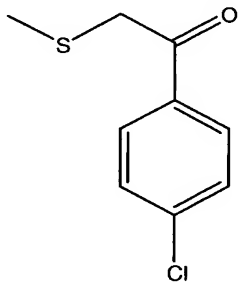
 , and  ;

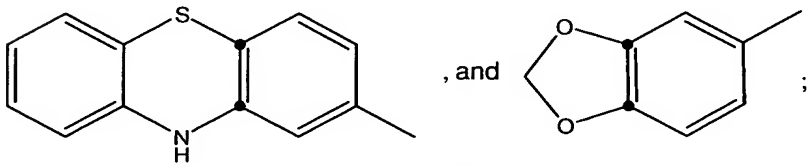
R^3 is selected from the group consisting of -H, methyl, ethyl, propyl, isopropyl, cyano, aminomethyl, phenyl, fluorophenyl, and amino, except that when R^2 is pyrryl, R^3 is other than cyano;

wherein the R^2 and R^3 groups are such that they optionally join to form a ring system selected from:

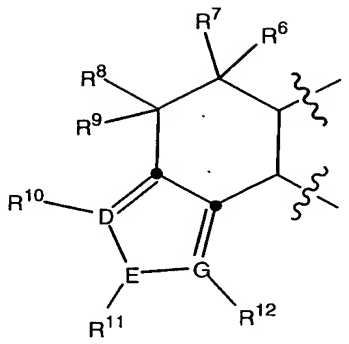


R^4 is selected from the group consisting of -H, methyl, ethyl, propyl, hydroxy, furyl, methylfuryl, methylimidazolyl, phenyl, hydroxyphenyl, carboxyphenyl, pyrazolyl, hydroxy, dihydroxyphenyl, methoxyphenyl, chlorophenyl, bromophenyl, fluorophenyl, dichlorophenyl, dihydroxyborophenyl, thienyl, pyrryl, *N*-methylpyrryl, pyridyl, methylthio, methylsulfonylphenyl, carboethoxyphenyl, methoxy, carbamylphenyl, mercapto, *N*-isoimidazoylphenyl, isopropyl, amino, hydroxynaphthyl, thiazoyl, carboxymethylphenyl, trifluoromethylphenyl, methylphenyl, cyanophenyl, dimethylphenyl, fluorobenzhydryl, methoxyfuryl, aminosulfonylphenyl,





wherein the R^3 and R^4 groups are such that they optionally join to form a ring system selected from: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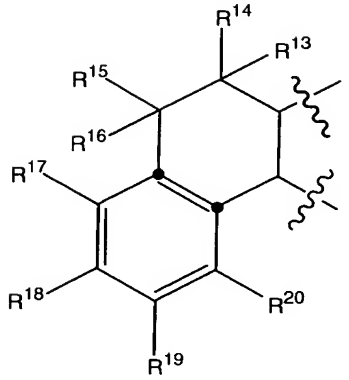
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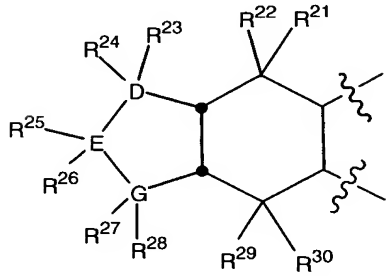
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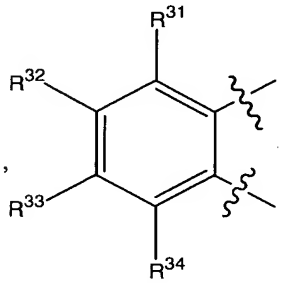
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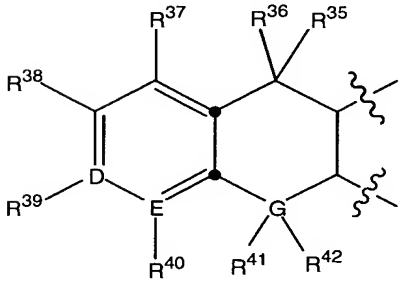
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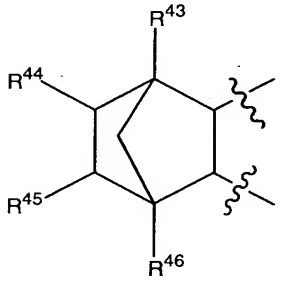
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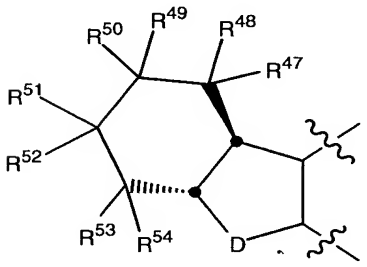
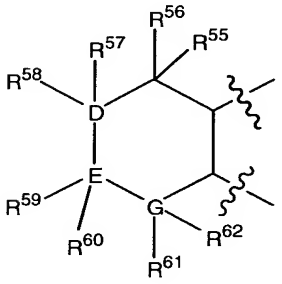
R44
R45
R46

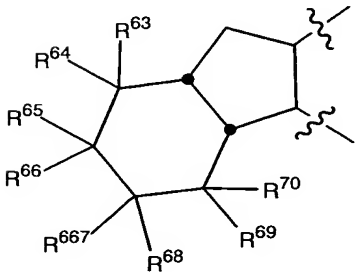
,


R50
R49
R48
R47
R51
R52
R53
R54
D

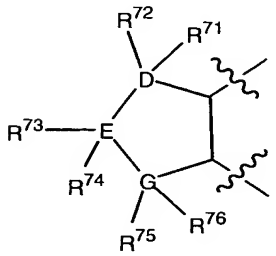
,


R56
R57
R55
R58
D
E
R59
G
R60
R62
R61

,


R63
R64
R65
R66
R70
R667
R69
R68

, and


R72
R71
D
R73
E
R74
G
R75
R76

;

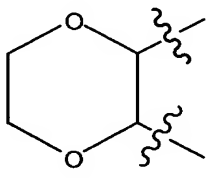
D, E and G are each independently selected from the group consisting of carbon, oxygen, sulfur, and nitrogen;

R^5 is selected from the group consisting of -H, and C_1-C_5 alkyl, provided that at least one of R^1, R^2, R^3, R^4 and R^5 is other than hydrogen; and

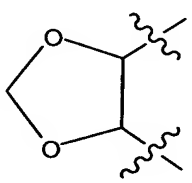
wherein the R^1 and R^5 groups optionally join to form a piperidyl ring;

R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18}, R^{19}, R^{20}, R^{21}, R^{22}, R^{23}, R^{24}, R^{25}, R^{26}, R^{27}, R^{28}, R^{29}, R^{30}, R^{31}, R^{32}, R^{33}, R^{34}, R^{35}, R^{36}, R^{37}, R^{38}, R^{39}, R^{40}, R^{41}, R^{42}, R^{43}, R^{44}, R^{45}, R^{46}, R^{47}, R^{48}, R^{49}, R^{50}, R^{51}, R^{52}, R^{53}, R^{54}, R^{55}, R^{56}, R^{57}, R^{58}, R^{59}, R^{60}, R^{61}, R^{62}, R^{63}, R^{64}, R^{65}, R^{66}, R^{67}, R^{68}, R^{69}, R^{70} R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, and R^{76} are each optionally present and are each independently selected from the group consisting of - H, methyl, ethyl, propyl, butyl, isobutyl, amino, nitro, hydroxy, methoxy, ethoxy, propoxy, 2-propenoxy, oxo, carboxy, bromo, chloro, fluoro, trifluoromethyl, chloromethyl, hydroxymethyl, dicyanomethyl, 2-fluorophenyl, 3-fluorophenyl, hydroxyethoxy, ethoxyethoxy, -(CH_2)-O-(C_6H_4)-O-(CH_3), carboxymethoxy, isopropylcarboxymethoxy, isobutylcarboxymethoxy, methylamino, dimethylamino, aminoethoxy, diaminoethoxy, dimethylaminoethoxy, cyanomethoxymethyl, 2-propenoxymethyl, methoxymethyl, isopropoxymethyl, ethoxymethyl, -(CH_2)-O-(CF_2)-CHF_2, isobutoxymethyl, benzoyl, phenyl, *N*-morpholinyl, morpholinylethoxy, pyrrolidylethoxy, *N*-pyrrolidylethoxy, oxo, ethylcarboxy, carboxymethyl - ethyl ester, pyridylmethyl, 4-pyridylmethoxy, 2-pyridylmethyl, and -COO-CH_2-CH_3, with the proviso that when G is -N-, R^{36} is -H; and

wherein R^{38} and R^{39} are such that they optionally join to form a ring system of the type selected from:



, and

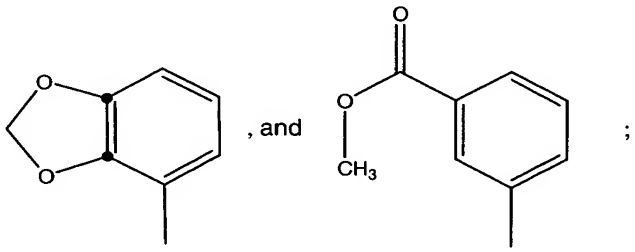


.

3. The compound according to claim 2, wherein:

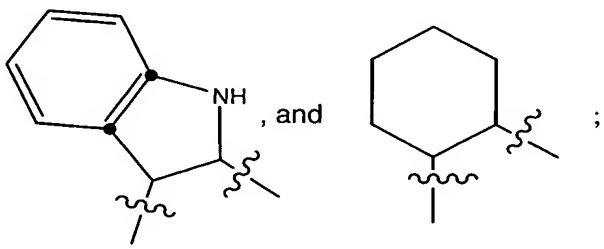
R^1 is selected from the group consisting of -H, methyl, ethyl, -(CH_2)COOH, and phenyl;

R^2 is selected from the group consisting of -H, methyl, ethyl, amino, phenyl, methoxy, carboxy, hydroxyethylamino, propylamino, ethylamino, methylamino, methoxyethyl, ethoxyethylamino, aminoethylamino, benzylamino, dimethylaminoethylamino, fluorophenyl, difluorophenyl, chlorophenyl, bromophenyl, furyl, carbamylpyrryl, methyl-1,3-isodiazoyl, 1,3-isodiazoyl, 1,3,4-triazoyl, methoxyphenyl, -S(CH_3), acetylaminophenyl, methoxyphenylamino, carboxyphenyl, cyanophenyl, cyclopropyl, phenoxyphenyl, pyridyl, dihydroxybromophenyl, difluoromethoxyphenyl, trifluoromethylphenyl, trifluoromethylfluorophenyl, hydroxyphenyl,



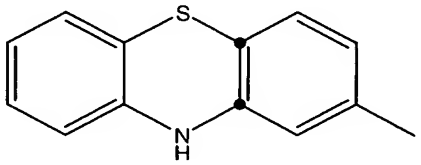
R^3 is selected from the group consisting of -H, methyl, ethyl, propyl, isopropyl, cyano, and aminomethyl;

wherein the R^2 and R^3 groups are such that they optionally join to form a ring system selected from:



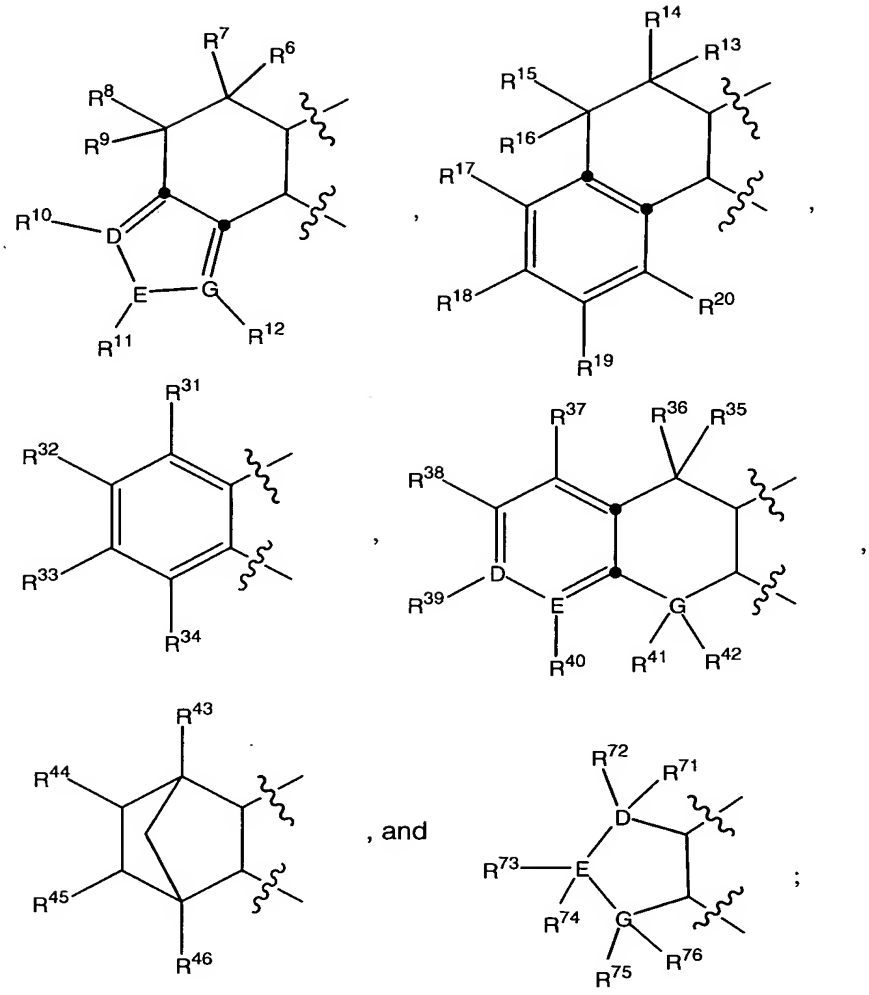
R^4 is selected from the group consisting of -H, methyl, ethyl, propyl, hydroxy, furyl, indolyl, methylfuryl, methylimidazolyl, phenyl,

hydroxyphenyl, carboxyphenyl, pyrazolyl, hydroxy, dihydroxyphenyl, methoxyphenyl, chlorophenyl, dichlorophenyl, dihydroxyborophenyl, thienyl, pyrryl, *N*-methylpyrryl, pyridyl, methylthio, methylsulfonylphenyl, carboethoxyphenyl, methoxy, carbamylphenyl, *N*-isoimidazoylphenyl, amino, hydroxynaphthyl, thiazoyl, carboxymethylphenyl, aminosulfonylphenyl, and



;

wherein the R^3 and R^4 groups are such that they can join to form a ring system selected from:



, and ;

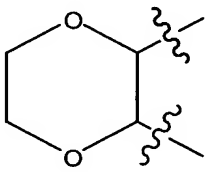
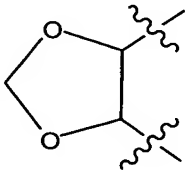
D, E and G are each independently selected from the group consisting of carbon, oxygen, sulfur, and nitrogen;

R^5 is selected from the group consisting of -H, and C_1-C_5 alkyl, provided that at least one of R^1, R^2, R^3, R^4 and R^5 is other than hydrogen;

R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18}, R^{19}, R^{20}, R^{31}, R^{32}, R^{33}, R^{34}, R^{35}, R^{36}, R^{37}, R^{38}, R^{39}, R^{40}, R^{41}, R^{42}, R^{43}, R^{44}, R^{45}, R^{46}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, and R^{76} are each optionally present and are each independently selected from the group consisting of - H, methyl, ethyl, butyl, amino, nitro, hydroxy, methoxy, ethoxy, oxo, 2-propenoxy, carboxy, bromo, chloro, fluoro, trifluoromethyl, chloromethyl, hydroxymethyl,

dicyanomethyl, hydroxyethoxy, ethoxyethoxy, -(CH_2)-O-(C_6H_4)-O-(CH_3), carboxymethoxy, isopropylcarboxymethoxy, methylamino, dimethylamino, aminoethoxy, diaminoethoxy, cyanomethoxymethyl, methoxymethyl, isopropoxymethyl, ethoxymethyl, -(CH_2)-O-(CF_2)-CHF_2, isobutoxymethyl, phenyl, morpholinylethoxy, pyrrolidylethoxy, *N*-pyrrolidylethoxy, and pyridylmethyl, with the proviso that when G is -N-, R^{36} is -H; and

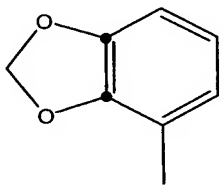
wherein R^{38} and R^{39} are such that they optionally join to form a ring system of the type selected from:


, and

.

4. The compound according to claim 2, wherein:

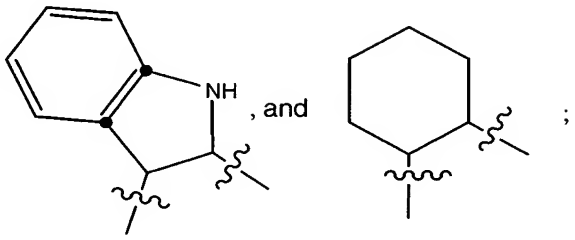
R^1 is selected from the group consisting of -H, methyl, and ethyl;

R^2 is selected from the group consisting of -H, methyl, amino, phenyl, methoxy, hydroxyethylamino, propylamino, ethylamino, methylamino, methoxyethyl, ethoxyethylamino, aminoethylamino, benzylamino, dimethylaminoethylamino, fluorophenyl, difluorophenyl, chlorophenyl, bromophenyl, furyl, carbamylpyrryl, methyl-1,3-isodiazoyl, 1,3-isodiazoyl, 1,3,4-triazoyl, methoxyphenyl, -$S(CH_3)$, acetylaminophenyl, methoxyphenylamino, carboxyphenyl, cyanophenyl, cyclopropyl, phenoxyphenyl, pyridyl, dihydroxybromophenyl, difluoromethoxyphenyl, and


;

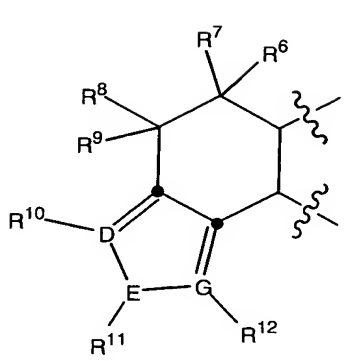
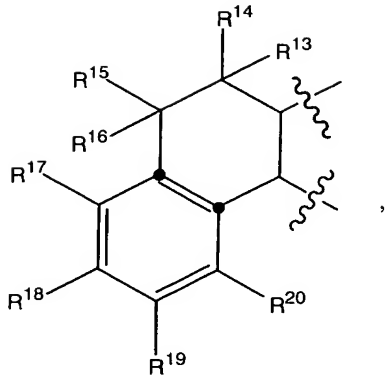
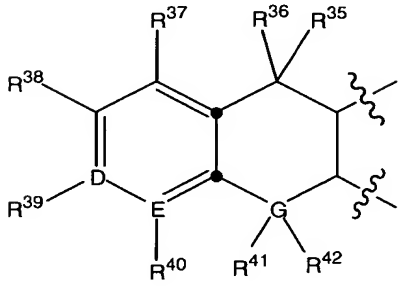
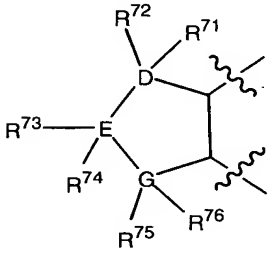
R^3 is selected from the group consisting of -H, methyl, ethyl, propyl, isopropyl, and cyano;

wherein the R^2 and R^3 groups are such that they optionally join to form a ring system selected from:



R^4 is selected from the group consisting of -H, methyl, ethyl, propyl, hydroxy, furyl, indolyl, methylfuryl, methylimidazolyl, phenyl, hydroxyphenyl, carboxyphenyl, pyrazolyl, hydroxy, dihydroxyphenyl, methoxyphenyl, chlorophenyl, dichlorophenyl, dihydroxyborophenyl, thienyl, pyrryl, *N*-methylpyrryl, pyridyl, methylthio, methylsulfonylphenyl, carboethoxyphenyl, methoxy, carbamylphenyl, amino, and aminosulfonylphenyl;

wherein the R^3 and R^4 groups are such that they optionally join to form a ring system selected from:

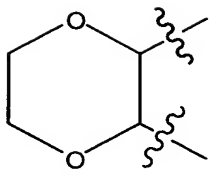





D, E and G are each independently selected from the group consisting of carbon, oxygen, sulfur, and nitrogen;

R^5 is -H, provided that at least one of R^1, R^2, R^3, R^4 and R^5 is other than hydrogen;

R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18}, R^{19}, R^{20}, R^{35}, R^{36}, R^{37}, R^{38}, R^{39}, R^{40}, R^{41}, R^{42}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, and R^{76} are each optionally present and are each independently selected from the group consisting of - H, methyl, ethyl, butyl, amino, nitro, hydroxy, methoxy, ethoxy, oxo, 2-propenoxy, carboxy, bromo, fluoro, trifluoromethyl, chloromethyl, dicyanomethyl, hydroxyethoxy, ethoxyethoxy, -(CH_2)-O-(C_6H_4)-O-(CH_3), carboxymethoxy, isopropylcarboxymethoxy, methylamino, dimethylamino, aminoethoxy, diaminoethoxy, phenyl, morpholinylethoxy, pyrrolidylethoxy, *N*-pyrrolidylethoxy, and pyridylmethyl, with the proviso that when G is -N-, R^{36} is -H; and

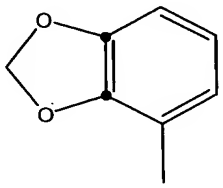
wherein R^{38} and R^{39} are such that they can join to form a ring system consisting of:



5. The compound according to claim 2, wherein:

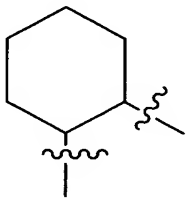
R^1 is selected from the group consisting of -H, methyl, and ethyl;

R^2 is selected from the group consisting of -H, methyl, amino, phenyl, methoxy, hydroxyethylamino, propylamino, ethylamino, methylamino, methoxyethyl, ethoxyethylamino, aminoethylamino, benzylamino, dimethylaminoethylamino, fluorophenyl, difluorophenyl, chlorophenyl, bromophenyl, furyl, carbamylpyrryl, methyl-1,3-isodiazoyl, 1,3-isodiazoyl, 1,3,4-triazoyl, methoxyphenyl, -S(CH_3), acetylaminophenyl, methoxyphenylamino, carboxyphenyl, and


;

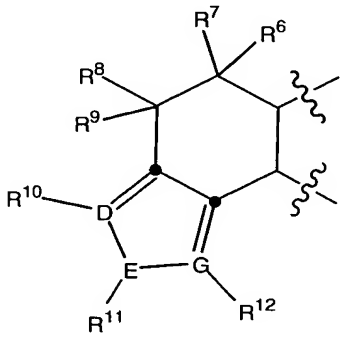
R^3 is selected from the group consisting of -H, methyl, ethyl, propyl, and isopropyl;

wherein the R^2 and R^3 groups are optionally such that they join to form:


;

R^4 is selected from the group consisting of -H, methyl, ethyl, propyl, furyl, indolyl, methylfuryl, methylimidazolyl, phenyl, hydroxyphenyl, carboxyphenyl, pyrazolyl, hydroxy, dihydroxyphenyl, methoxyphenyl, chlorophenyl, dichlorophenyl, dihydroxyborophenyl, thienyl, pyrryl, *N*-methylpyrryl, pyridyl, methylthio, methylsulfonylphenyl, carboethoxyphenyl, and aminosulfonylphenyl;

wherein the R^3 and R^4 groups are such that they optionally join to form a ring system selected from:



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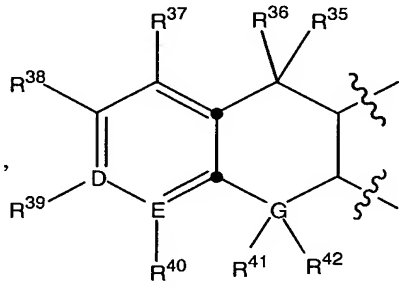
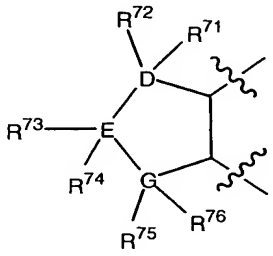


, and



;

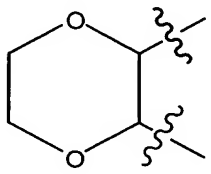
D, E and G are each independently selected from the group consisting of carbon, oxygen, sulfur, and nitrogen;

R^5 is -H, provided that at least one of R^1, R^2, R^3, R^4 and R^5 is other than hydrogen;

R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{35}, R^{36}, R^{37}, R^{38}, R^{39}, R^{40}, R^{41}, R^{42}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, and R^{76} are each optionally present and are each independently selected from the group consisting of - H, methyl, ethyl, butyl, amino, nitro, hydroxy, methoxy, ethoxy, oxo, 2-propenoxy, carboxy, bromo, fluoro, trifluoromethyl, chloromethyl, dicyanomethyl, hydroxyethoxy, ethoxyethoxy, carboxymethoxy, isopropylcarboxymethoxy,

methylamino, dimethylamino, aminoethoxy, diaminoethoxy, morpholinylethoxy, pyrrolidylethoxy, *N*-pyrrolidylethoxy, and pyridylmethyl, with the proviso that when G is -N-, R^{36} is -H; and

wherein R^{38} and R^{39} are such that they optionally join to form a ring system consisting of: .



6. The compound according to claim 2, wherein:

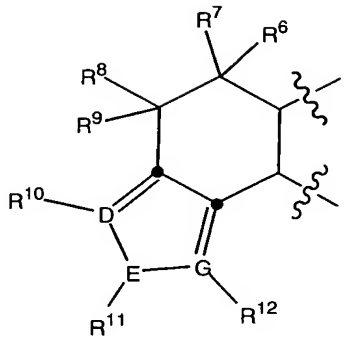
R^1 is -H;

R^2 is selected from the group consisting of amino, phenyl, fluorophenyl, difluorophenyl, furyl, carbamylpyrryl, methyl-1,3-isodiazoyl, 1,3-isodiazoyl, 1,3,4-triazoyl, methoxyphenyl, acetylaminophenyl, methoxyphenylamino, and carboxyphenyl;

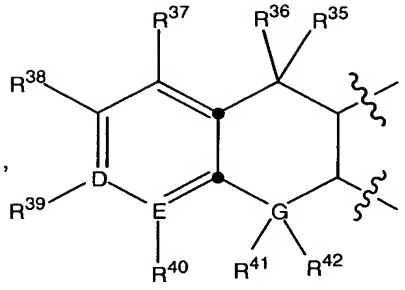
R^3 is selected from the group consisting of -H, methyl, ethyl, and propyl;

R^4 is selected from the group consisting of methyl, ethyl, propyl, furyl, phenyl, hydroxyphenyl, carboxyphenyl, pyrazolyl, hydroxy, dihydroxyphenyl, methoxyphenyl, chlorophenyl, dihydroxyborophenyl, and aminosulfonylphenyl;

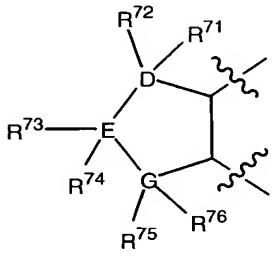
wherein the R^3 and R^4 groups are such that they optionally join to form a ring system selected from:



,



, and



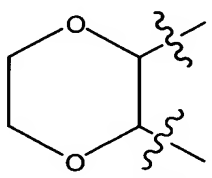
;

D, E and G are each independently selected from the group consisting of carbon, oxygen, sulfur, and nitrogen;

R^5 is -H, provided that at least one of R^1, R^2, R^3, R^4 and R^5 is other than hydrogen;

R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{35}, R^{36}, R^{37}, R^{38}, R^{39}, R^{40}, R^{41}, R^{42}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, and R^{76} are each optionally present and are each independently selected from the group consisting of - H, amino, nitro, hydroxy, methoxy, ethoxy, oxo, 2-propenoxy, carboxy, bromo, fluoro, trifluoromethyl, chloromethyl, dicyanomethyl, hydroxyethoxy, ethoxyethoxy, carboxymethoxy, isopropylcarboxymethoxy, methylamino, dimethylamino, aminoethoxy, diaminoethoxy, morpholinylethoxy, pyrrolidylethoxy, and pyridylmethyl, with the proviso that when G is -N-, R^{36} is -H; and

wherein R^{38} and R^{39} optionally are such that they optionally join to form:



7. The compound according to claim 2, wherein the aminocyanopyridine MK-2 inhibiting compound comprises at least one compound that is selected from the group consisting of:

2-amino-4-(2-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,

2-amino-4-(2-furyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,

2-amino-4-(2,3-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,

8-amino-6-(2-furyl)-4,5-dihydro-1H-pyrazolo[4,3-h]quinoline-7-carbonitrile,

2-amino-3-cyano-4-(2-furyl)-5,6-dihydrobenzo[h]quinoline-8-carboxylic acid,

4-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]-1H-pyrrole-2-carboxamide,

2-amino-4-phenyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,

2-amino-6-(2-furyl)-4-(1-methyl-1H-imidazol-4-yl)nicotinonitrile,

8-amino-6-(2-furyl)-4,5-dihydro-1H-pyrazolo[4,3-h]quinoline-7-carbonitrile,

2-amino-4-(2-furyl)-8-hydroxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,

2-amino-4-(2,6-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,

2-amino-6-(4-hydroxyphenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,

2-amino-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile, 2-amino-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,

2-amino-4-(2-fluorophenyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,

4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzoic acid,

2-amino-6-(2-furyl)-4-(1H-imidazol-5-yl)nicotinonitrile,

2-amino-4-(2-furyl)-6-(1H-pyrazol-3-yl)nicotinonitrile,

2-amino-3-cyano-4-(4H-1,2,4-triazol-3-yl)-5,6-dihydrobenzo[h]quinoline-8-carboxylic acid,

2-amino-6-(3-hydroxyphenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,

2-amino-6-(2-furyl)-4-(1H-imidazol-4-yl)nicotinonitrile,

2-amino-4-(2,4-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,

4,6-diamino-2-(trifluoromethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-furyl)-6,8-dihydro-5H-pyrrolo[3,4-h]quinoline-3-carbonitrile,
4-[6-amino-5-cyano-4-(2-fluorophenyl)pyridin-2-yl]benzoic acid,
2-amino-4-(2-furyl)-5,6-dihydro-1,8-phenanthroline-3-carbonitrile,
2-amino-6-(3,4-dihydroxyphenyl)-4-(2-fluorophenyl)nicotinonitrile,
2-amino-4-(1-methyl-1H-imidazol-4-yl)-6-phenylnicotinonitrile,
2-amino-4-(2-furyl)-6-(1H-pyrazol-3-yl)nicotinonitrile,
4-[6-amino-5-cyano-4-(1H-imidazol-5-yl)pyridin-2-yl]benzoic acid,
2-amino-4-(3-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-(3,4-dihydroxyphenyl)-4-(2-fluorophenyl)nicotinonitrile,
N-{4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]phenyl}methanesulfonamide,
2-amino-4-(2-furyl)-6,7-dihydro-5H-pyrrolo[2,3-h]quinoline-3-carbonitrile,
2-amino-4-(1H-imidazol-5-yl)-6-phenylnicotinonitrile,
2-amino-4-(2-furyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(1H-imidazol-5-yl)-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-6-(3-chlorophenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-4-(2-furyl)-6-(1H-pyrazol-4-yl)nicotinonitrile,
2-amino-4-(4-methoxyphenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2,5-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(4-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(4H-1,2,4-triazol-3-yl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
4,6-diamino-2-(chloromethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(1H-imidazol-4-yl)-6-phenylnicotinonitrile,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzenesulfonamide,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]phenylboronic acid,
2-amino-6-(4-methoxyphenyl)-4-(4H-1,2,4-triazol-3-yl)nicotinonitrile,

2-amino-4-(2-fluorophenyl)-6-(3-furyl)nicotinonitrile,
2-amino-6-(2-furyl)-4-(methylthio)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-(3-hydroxyphenyl)nicotinonitrile,
8-amino-6-(2-furyl)-4,5-dihydro-2H-pyrazolo[4,3-h]quinoline-7-carbonitrile,
2-amino-4-(2-bromophenyl)-6-(2-furyl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-(4-hydroxyphenyl)nicotinonitrile,
2-amino-4-phenyl-6-thien-2-ylnicotinonitrile,
2-amino-4-(3-methoxyphenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-7-methyl-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-fluorophenyl)-6-(1H-pyrrol-2-yl)nicotinonitrile,
2-amino-4-(2-furyl)-5-methyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6-(1-methyl-1H-pyrrol-3-yl)nicotinonitrile,
3-amino-5,6,7,8-tetrahydroisoquinoline-4-carbonitrile,
N-[4-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)phenyl]acetamide,
6-amino-4-[(4-methoxyphenyl)amino]-2-(trifluoromethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]-*N*-(tert-butyl)benzenesulfonamide,
4,6-diamino-2-ethyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
6-amino-4-(2-furyl)-2,4'-bipyridine-5-carbonitrile,
2,4-diamino-6-(methylthio)nicotinonitrile,
3-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)benzoic acid,
2-amino-6-(4-chlorophenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-4-(1,3-benzodioxol-4-yl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
4,6-diamino-2-methyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(1H-imidazol-5-yl)-6-[4-(methylsulfonyl)phenyl]nicotinonitrile,

2,4-diaminoquinoline-3-carbonitrile,
2,8-diamino-4-(2-furyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4,6-di(2-furyl)nicotinonitrile,
4,6-diamino-2-butyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
ethyl 4-[6-amino-5-cyano-4-(1H-imidazol-5-yl)pyridin-2-yl]benzoate,
2,4-diamino-6-methoxynicotinonitrile,
2-amino-4-methylnicotinonitrile,
2-amino-4-(4-cyanophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-cyclopropyl-6-methylnicotinonitrile,
2-amino-4-(2-furyl)-6-(1-methyl-1H-pyrrol-2-yl)nicotinonitrile,
2-amino-4-(2-chlorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-(2-furyl)-4-(4-phenoxyphenyl)nicotinonitrile,
2-amino-4-pyridin-3-yl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-{[2-(4-chlorophenyl)-2-oxoethyl]thio}-4-(2-furyl)pyridine-3,5-dicarbonitrile,
4-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]phenylboronic acid,
2-amino-6-(3-chlorophenyl)-4-(1H-imidazol-4-yl)nicotinonitrile,
4-(6-amino-5-cyano-4-phenylpyridin-2-yl)-*N*-(tert-butyl)benzenesulfonamide,
2-amino-4-methoxynicotinonitrile,
4-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]benzoic acid,
4,6-diamino-2-[(4-methoxyphenoxy)methyl]-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-fluorophenyl)-6-(4-methoxyphenyl)nicotinonitrile,
4-[6-amino-5-cyano-4-(2-fluorophenyl)pyridin-2-yl]-*N*-(tert-butyl)benzenesulfonamide,
(2,4-diamino-3-cyano-5H-chromeno[2,3-b]pyridin-9-yl)oxy]acetic acid,
3-Pyridinecarbonitrile, 2-Amino-4-Methylm
2-amino-6-(2-furyl)nicotinonitrile,

2-amino-4-(2-furyl)-6-(3-hydroxyphenyl)nicotinonitrile,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzamide,
2-amino-4-(2-furyl)-7-hydroxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6-(1H-indol-3-yl)nicotinonitrile,
2-amino-4-pyridin-4-yl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(3-fluorophenyl)-6-(4-hydroxyphenyl)nicotinonitrile,
2-amino-4-[2-(difluoromethoxy)phenyl]-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6-thien-3-ylnicotinonitrile,
2-amino-4-(3-fluorophenyl)-6-(4-methoxyphenyl)nicotinonitrile,
2-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]phenylboronic acid,
2,4-diamino-6-propylpyridine-3,5-dicarbonitrile,
4,6-diamino-2-[(prop-2-ynyloxy)methyl]-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
4,6-diamino-2-(hydroxymethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-6-(2-furyl)-4-[4-(trifluoromethyl)phenyl]nicotinonitrile,
5-amino-7-methylthieno[3,2-b]pyridine-6-carbonitrile,
2-amino-4-(2-furyl)-5,5-dimethyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
N-[3-cyano-4-(2-fluorophenyl)-6-(2-furyl)pyridin-2-yl]glycine,
2-[(allyloxy)methyl]-4,6-diamino-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-furyl)-6-methyl-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
4,6-diamino-2-(methoxymethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-furyl)-6-(1H-indol-3-yl)nicotinonitrile,
2-amino-4-(2-furyl)-6-[4-(1H-imidazol-1-yl)phenyl]nicotinonitrile,
2-amino-4-(2-furyl)-6-(4-hydroxyphenyl)nicotinonitrile,
2-amino-4-(2-furyl)-5,6,7,8-tetrahydro-5,8-methanoquinoline-3-carbonitrile,

4,6-diamino-2-(isopropoxymethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
3-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]phenylboronic acid,
4,6-diamino-2-(ethoxymethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(4-bromophenyl)-6-(2-furyl)nicotinonitrile,
4,6-diamino-2-[(1,1,2,2-tetrafluoroethoxy)methyl]-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-[2-fluoro-4-(trifluoromethyl)phenyl]-6-(2-furyl)nicotinonitrile,
2-amino-4-(2-methoxyphenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-fluorophenyl)-5-methyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
3,6-diamino-4-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carbonitrile,
6-amino-4-(2-furyl)-2,2'-bipyridine-5-carbonitrile,
2-amino-4-(2-furyl)-6-(8-hydroxy-1-naphthyl)nicotinonitrile,
4-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)benzoic acid,
2-amino-6-(3,4-dichlorophenyl)-4-(2-furyl)nicotinonitrile,
2-amino-4-(2-furyl)-6-(10H-phenothiazin-2-yl)nicotinonitrile,
sodium 2-amino-3-cyano-4-quinolinecarboxylate,
2-anilino-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,
2-amino-4-(3-fluorophenyl)-6-(2-furyl)nicotinonitrile,
2-amino-4-(4-fluorophenyl)-6-(2-furyl)nicotinonitrile,
4,6-diamino-2-(tert-butoxymethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-furyl)-6-(1,3-thiazol-2-yl)nicotinonitrile,
4-(2-fluorophenyl)-6-(2-furyl)-2-piperidin-1-ylnicotinonitrile,
2-amino-6-(4-chlorophenyl)-4-(2-furyl)nicotinonitrile,
2-amino-6-(4-hydroxyphenyl)-4-(2-methoxyphenyl)nicotinonitrile,
2-amino-6-(2-furyl)-4-(2-hydroxyphenyl)nicotinonitrile,
methyl 3-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)benzoate,

2-amino-4-(2-chlorophenyl)-6-(5-methyl-2-furyl)nicotinonitrile,
3,6-diamino-2-benzoylthieno[2,3-b]pyridine-5-carbonitrile,
methyl 4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzoate,
2-aminonicotinonitrile,
2-amino-4-(2-furyl)-8-{[2-(trimethylsilyl)ethoxy]methyl}-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
3-amino-5H-pyrido[4,3-b]indole-4-carbonitrile,
2-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)benzoic acid,
2-amino-6-(4-methoxyphenyl)-4-phenylnicotinonitrile,
2-amino-4-(2-furyl)-5,6,7,8-tetrahydroquinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6-isobutylnicotinonitrile,
2-amino-6-benzyl-4-(2-furyl)nicotinonitrile,
2-amino-4-(2-furyl)-6-methyl-5-phenylnicotinonitrile,
2-amino-4-(2-furyl)-6-[4-(trifluoromethoxy)phenyl]nicotinonitrile,
2-amino-4-(2-furyl)-6-propyl-5,6,7,8-tetrahydro-1,6-naphthyridine-3-carbonitrile,
2-amino-4-(2-furyl)benzo[h]quinoline-3-carbonitrile,
2-amino-6-(4-methoxyphenyl)-4-thien-2-ylnicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-tetrahydrofuran-2-ylnicotinonitrile,
ethyl 6-amino-5-cyano-4-(2-furyl)pyridine-2-carboxylate,
2-amino-4-(2-furyl)-9-methoxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-8-methoxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-8,9-dimethoxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-7-methoxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-7,9-dimethyl-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
ethyl 4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzoate,
2-amino-6-(3-bromophenyl)-4-(2-furyl)nicotinonitrile,
2-amino-4-(2-furyl)-6-[4-(trifluoromethyl)phenyl]nicotinonitrile,
2-amino-4-(2-furyl)-6-[3-(trifluoromethyl)phenyl]nicotinonitrile,

2-amino-4-(2-furyl)-6-[4-(methylsulfonyl)phenyl]nicotinonitrile,
4,6-diamino-2-(phenoxymethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
4,6-diamino-3-phenyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
4,6-diamino-3-vinyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-fluorophenyl)-5-methyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
3-amino-1-methyl-5,6,7,8-tetrahydroisoquinoline-4-carbonitrile,
2-amino-4-(2-fluorophenyl)-5,5-dimethyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-fluorophenyl)-6-(3-hydroxyphenyl)nicotinonitrile,
2-amino-4-[2-(difluoromethoxy)phenyl]-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-(benzylamino)-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,
2-amino-4-(2-furyl)-6,7-dihydro-5H-benzo[6,7]cyclohepta[1,2-b]pyridine-3-carbonitrile,
2-amino-4-(2-furyl)-5H-indeno[1,2-b]pyridine-3-carbonitrile,
3-amino-1-methyl-5,6,7,8-tetrahydroisoquinoline-4-carbonitrile,
2-amino-4-(2-fluorophenyl)-6-(3-hydroxyphenyl)nicotinonitrile,
2-amino-4-(2-thienyl)-5,6,7,8-tetrahydro-3-quinolinecarbonitrile,
2-amino-4-(3-fluorophenyl)-5,6,7,8-tetrahydro-3-quinolinecarbonitrile,
2-(1-piperidinyl)-6-(2-thienyl)-4-(trifluoromethyl)nicotinonitrile,
2-(dimethylamino)-6-(2-thienyl)-4-(trifluoromethyl)nicotinonitrile,
3-Quinolinecarbonitrile,
2-amino-4-methyl- or 2-amino-4-methyl-3-quinolinecarbonitrile,
2-amino-4-(4-methoxyphenyl)-6-(2-thienyl)nicotinonitrile,
2-amino-6-cyclopropyl-4-(2-methoxyphenyl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-phenylnicotinonitrile,
(4bS,8aR)-2,4-diamino-4b,5,6,7,8,8a-hexahydro[1]benzofuro[2,3-b]pyridine-3-carbonitrile,
2-amino-4-(2-fluorophenyl)-5,5-dimethyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,

2-amino-4-(2-furyl)-5-phenyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
3-amino-1,6-dimethyl-5,6,7,8-tetrahydro-2,6-naphthyridine-4-carbonitrile,
3-amino-1,7-dimethyl-5,6,7,8-tetrahydro-2,7-naphthyridine-4-carbonitrile,
2-amino-4-(2-fluorophenyl)-5-phenyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-fluorophenyl)-5-phenyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
4,6-diamino-2-(morpholin-4-ylmethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
ethyl (4,6-diamino-5-cyano-2-oxo-2,3-dihydro-1H-pyrrolo[2,3-b]pyridin-1-yl)acetate,
2-amino-4-(2-methoxyphenyl)-6-(5-methyl-2-furyl)nicotinonitrile,
2-amino-6-methyl-4-(4-nitrophenyl)nicotinonitrile,
2-amino-4-(3,4-dimethoxyphenyl)-6-(5-methyl-2-furyl)nicotinonitrile,
2,4-diamino-6-[(4-methoxyphenyl)thio]nicotinonitrile,
4,6-diamino-2-(phenoxymethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
4,6-diamino-3-phenyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
4,6-diamino-2-[(2-methylphenoxy)methyl]-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-furyl)-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-4-(3-fluorophenyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(4-methoxyphenyl)-6,7-dihydro-5H-cyclopenta[b]pyridine-3-carbonitrile,
2-amino-9-ethyl-9H-pyrido[2,3-b]indole-3-carbonitrile,
2-amino-6-isobutyl-4-(4-methylphenyl)nicotinonitrile,
1-(2-furyl)-3-[(3-hydroxypropyl)amino]-5,6,7,8-tetrahydroisoquinoline-4-carbonitrile,
2-azepan-1-yl-6-(4-fluorophenyl)-4-phenylnicotinonitrile,
2-amino-6-tert-butyl-4-(4-methylphenyl)nicotinonitrile,
2-amino-4-(4-bromophenyl)-6-methylnicotinonitrile,

2-amino-4-thien-2-yl-5,6,7,8,9,10-hexahydrocycloocta[b]pyridine-3-carbonitrile,
2-amino-4-(4-chlorophenyl)-6,7,8,9-tetrahydro-5H-cyclohepta[b]pyridine-3-carbonitrile,
2-(allylamino)-5-amino-7-(4-bromophenyl)thieno[3,2-b]pyridine-3,6-dicarbonitrile,
2-amino-4-pyridin-3-yl-5,6,7,8,9,10-hexahydrocycloocta[b]pyridine-3-carbonitrile,
2-amino-4-(4-bromophenyl)-6-tert-butylnicotinonitrile,
1-(2-furyl)-3-morpholin-4-yl-5,6,7,8-tetrahydroisoquinoline-4-carbonitrile,
2-amino-4-(4-methylphenyl)-6,7-dihydro-5H-cyclopenta[b]pyridine-3-carbonitrile,
2-amino-7,7-dimethyl-7,8-dihydro-5H-pyrano[4,3-b]pyridine-3-carbonitrile,
2-amino-6-isobutyl-4-(4-methoxyphenyl)nicotinonitrile,
4,6-diamino-2-oxo-1-phenyl-2,3-dihydro-1H-pyrrolo[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-methoxyphenyl)-5,6-dimethylnicotinonitrile,
2-(dimethylamino)-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,
2-(dimethylamino)-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,
4-(2-fluorophenyl)-6-(2-furyl)-2-(methylamino)nicotinonitrile,
4-(2-fluorophenyl)-6-(2-furyl)-2-morpholin-4-ylnicotinonitrile,
tert-butyl *N*-[3-cyano-4-(2-fluorophenyl)-6-(2-furyl)pyridin-2-yl]glycinate,
2-(ethylamino)-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,
ethyl 4-[6-amino-5-cyano-4-(2-fluorophenyl)pyridin-2-yl]benzoate,
2-amino-6-(2-fluorophenyl)-4-(3-furyl)nicotinonitrile,
6-amino-4-(2-fluorophenyl)-2,2'-bipyridine-5-carbonitrile,
2-amino-4-(2-fluorophenyl)-6-thien-2-ylnicotinonitrile,
ethyl 6-amino-5-cyano-4-(2-fluorophenyl)pyridine-2-carboxylate,
2-amino-6-(2-furyl)-4-phenylnicotinonitrile,
ethyl 2-amino-3-cyano-4-(2-furyl)-5,6,7,8-tetrahydroquinoline-6-carboxylate,
2-amino-4-(2-furyl)-6-(4-hydroxyphenyl)-5-methylnicotinonitrile,

2-amino-4-(2-furyl)-6-(4-methoxyphenyl)-5-methylnicotinonitrile,
2-amino-6-(4-fluorophenyl)-4-(2-furyl)-5-methylnicotinonitrile,
2-amino-4-(2-furyl)-5,6-diphenylnicotinonitrile,
2-amino-4-(2-furyl)-5-methyl-6-phenylnicotinonitrile,
2-amino-6-(3,4-dimethylphenyl)-4-(2-furyl)nicotinonitrile,
2-amino-6-(4-fluorophenyl)-4-(2-furyl)nicotinonitrile,
2-amino-4-(3-fluorophenyl)-6-(3-hydroxyphenyl)nicotinonitrile,
6-amino-4-(3-fluorophenyl)-2,4'-bipyridine-5-carbonitrile,
6-amino-4-(2-fluorophenyl)-2,4'-bipyridine-5-carbonitrile,
2-amino-4-butyl-6-methylnicotinonitrile,
2-amino-6-methyl-4-propylnicotinonitrile,
2-amino-4-ethyl-6-methylnicotinonitrile, 2-amino-4,6-dimethylnicotinonitrile,
2-amino-4-[2-(hexyloxy)phenyl]-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-[2-(beta-D-glucopyranosyloxy)phenyl]-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
4-[2-(allyloxy)phenyl]-2-amino-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
methyl [2-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)phenoxy]acetate,
2-amino-4-(2-ethoxyphenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
ethyl 4-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]-1H-pyrrole-2-carboxylate,
2-amino-6-methylnicotinonitrile,
2-amino-6-(4-cyanophenyl)-4-(2-furyl)nicotinonitrile,
2-amino-6-(4-fluorobenzyl)-4-(2-furyl)nicotinonitrile,
2-amino-5-(4-fluorophenyl)-4-(2-furyl)-6-methylnicotinonitrile,
2-amino-4-(2-furyl)-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-4-(2-methylphenyl)-5,6,7,8-tetrahydroquinoline-3-carbonitrile,
2-amino-4-(4-methoxyphenyl)-5,6,7,8-tetrahydroquinoline-3-carbonitrile,
2-amino-4-phenyl-5,6,7,8-tetrahydroquinoline-3-carbonitrile,
2-amino-6-(4-methoxyphenyl)-4-(2-methylphenyl)nicotinonitrile,

2-amino-4,6-bis(4-methoxyphenyl)nicotinonitrile,
2-amino-4-(3-chlorophenyl)-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-4-(2-chlorophenyl)-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-4-(2-furyl)-5,6,7,8-tetrahydro-1,6-naphthyridine-3-carbonitrile,
2-amino-4-(2-furyl)-6-(4-methylphenyl)nicotinonitrile,
2-amino-4-(2-furyl)-6-phenylnicotinonitrile,
6-amino-4-(2-furyl)-2,3'-bipyridine-5-carbonitrile,
2-amino-6-(1,3-benzodioxol-5-yl)-4-(2-furyl)nicotinonitrile,
2-amino-4-isoquinolin-4-yl-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-4-(1-benzothien-3-yl)-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-6-(4-methoxyphenyl)-4-thien-3-ylnicotinonitrile,
2-amino-4-(3-furyl)-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-6-(4-methoxyphenyl)-4-(1H-pyrrol-2-yl)nicotinonitrile,
2-amino-4-(2-furyl)-6-(1H-pyrrol-2-yl)nicotinonitrile,
2'-amino-6'-(4-methoxyphenyl)-3,4'-bipyridine-3'-carbonitrile,
2-amino-4-[2-(trifluoromethoxy)phenyl]-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-5H-thiochromeno[4,3-b]pyridine-3-carbonitrile,
2-amino-4-{4-[(2-cyanoethyl)(methyl)amino]phenyl}-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-[2-(2-hydroxyethoxy)phenyl]-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-methylphenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-[4-(dimethylamino)phenyl]-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(1H-indol-7-yl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
methyl 4-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)benzoate,
methyl 2-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)benzoate,

[2-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)phenoxy]acetic acid,
2-amino-6-phenylnicotinonitrile,
2-amino-6-cyclohexylnicotinonitrile,
2-amino-4-(2-furyl)-6-(1-trityl-1H-pyrazol-4-yl)nicotinonitrile, and
2-amino-4-(2-fluorophenyl)-6-(4-hydroxyphenyl)nicotinonitrile,

8. The compound according to claim 1, wherein the aminocyanopyridine MK-2 inhibiting compound comprises at least one compound that is selected from the group consisting of:
2-amino-4-(2-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2,3-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
8-amino-6-(2-furyl)-4,5-dihydro-1H-pyrazolo[4,3-h]quinoline-7-carbonitrile,
2-amino-3-cyano-4-(2-furyl)-5,6-dihydrobenzo[h]quinoline-8-carboxylic acid,
4-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]-1H-pyrrole-2-carboxamide,
2-amino-4-phenyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-(2-furyl)-4-(1-methyl-1H-imidazol-4-yl)nicotinonitrile,
8-amino-6-(2-furyl)-4,5-dihydro-1H-pyrazolo[4,3-h]quinoline-7-carbonitrile,
2-amino-4-(2-furyl)-8-hydroxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(2,6-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-(4-hydroxyphenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile, 2-amino-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzoic acid,
2-amino-6-(2-furyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-4-(2-furyl)-6-(1H-pyrazol-3-yl)nicotinonitrile,

2-amino-3-cyano-4-(4H-1,2,4-triazol-3-yl)-5,6-dihydrobenzo[h]quinoline-8-carboxylic acid,
2-amino-6-(3-hydroxyphenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-6-(2-furyl)-4-(1H-imidazol-4-yl)nicotinonitrile,
2-amino-4-(2,4-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile, 4,6-diamino-2-(trifluoromethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-furyl)-6,8-dihydro-5H-pyrrolo[3,4-h]quinoline-3-carbonitrile,
4-[6-amino-5-cyano-4-(2-fluorophenyl)pyridin-2-yl]benzoic acid,
2-amino-4-(2-furyl)-5,6-dihydro-1,8-phenanthroline-3-carbonitrile,
2-amino-6-(3,4-dihydroxyphenyl)-4-(2-fluorophenyl)nicotinonitrile,
2-amino-4-(1-methyl-1H-imidazol-4-yl)-6-phenylnicotinonitrile,
2-amino-4-(2-furyl)-6-(1H-pyrazol-3-yl)nicotinonitrile,
4-[6-amino-5-cyano-4-(1H-imidazol-5-yl)pyridin-2-yl]benzoic acid,
2-amino-4-(3-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-(3,4-dihydroxyphenyl)-4-(2-fluorophenyl)nicotinonitrile,
N-{4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]phenyl}methanesulfonamide,
2-amino-4-(2-furyl)-6,7-dihydro-5H-pyrrolo[2,3-h]quinoline-3-carbonitrile,
2-amino-4-(1H-imidazol-5-yl)-6-phenylnicotinonitrile,
2-amino-4-(2-furyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(1H-imidazol-5-yl)-6-(4-methoxyphenyl)nicotinonitrile,
2-amino-6-(3-chlorophenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-4-(2-furyl)-6-(1H-pyrazol-4-yl)nicotinonitrile,
2-amino-4-(4-methoxyphenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2,5-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(4-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(4H-1,2,4-triazol-3-yl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,

4,6-diamino-2-(chloromethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(1H-imidazol-4-yl)-6-phenylnicotinonitrile,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzenesulfonamide,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]phenylboronic acid,
2-amino-6-(4-methoxyphenyl)-4-(4H-1,2,4-triazol-3-yl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-(3-furyl)nicotinonitrile,
2-amino-6-(2-furyl)-4-(methylthio)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-(3-hydroxyphenyl)nicotinonitrile,
8-amino-6-(2-furyl)-4,5-dihydro-2H-pyrazolo[4,3-h]quinoline-7-carbonitrile,
2-amino-4-(2-bromophenyl)-6-(2-furyl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-(4-hydroxyphenyl)nicotinonitrile,
2-amino-4-phenyl-6-thien-2-ylnicotinonitrile,
2-amino-4-(3-methoxyphenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-7-methyl-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-fluorophenyl)-6-(1H-pyrrol-2-yl)nicotinonitrile,
2-amino-4-(2-furyl)-5-methyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6-(1-methyl-1H-pyrrol-3-yl)nicotinonitrile,
3-amino-5,6,7,8-tetrahydroisoquinoline-4-carbonitrile,
N-[4-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)phenyl]acetamide,
6-amino-4-[(4-methoxyphenyl)amino]-2-(trifluoromethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]-*N*-(tert-butyl)benzenesulfonamide,
4,6-diamino-2-ethyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
6-amino-4-(2-furyl)-2,4'-bipyridine-5-carbonitrile,
2,4-diamino-6-(methylthio)nicotinonitrile,
3-(2-amino-3-cyano-6,7-dihydro-5H-pyrazolo[3,4-h]quinolin-4-yl)benzoic acid,

2-amino-6-(4-chlorophenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-4-(1,3-benzodioxol-4-yl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile, 4,6-diamino-2-methyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(1H-imidazol-5-yl)-6-[4-(methylsulfonyl)phenyl]nicotinonitrile,
2,4-diaminoquinoline-3-carbonitrile,
2,8-diamino-4-(2-furyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4,6-di(2-furyl)nicotinonitrile,
4,6-diamino-2-butyl-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
ethyl 4-[6-amino-5-cyano-4-(1H-imidazol-5-yl)pyridin-2-yl]benzoate,
2,4-diamino-6-methoxynicotinonitrile,
2-amino-4-methylnicotinonitrile,
2-amino-4-(4-cyanophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-cyclopropyl-6-methylnicotinonitrile,
2-amino-4-(2-furyl)-6-(1-methyl-1H-pyrrol-2-yl)nicotinonitrile,
2-amino-4-(2-chlorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-(2-furyl)-4-(4-phenoxyphenyl)nicotinonitrile,
2-amino-4-pyridin-3-yl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-{[2-(4-chlorophenyl)-2-oxoethyl]thio}-4-(2-furyl)pyridine-3,5-dicarbonitrile,
4-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]phenylboronic acid,
2-amino-6-(3-chlorophenyl)-4-(1H-imidazol-4-yl)nicotinonitrile,
4-(6-amino-5-cyano-4-phenylpyridin-2-yl)-*N*-(tert-butyl)benzenesulfonamide,
2-amino-4-methoxynicotinonitrile,
4-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]benzoic acid,
4,6-diamino-2-[(4-methoxyphenoxy)methyl]-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile, 2-amino-4-(2-fluorophenyl)-6-(4-methoxyphenyl)nicotinonitrile,

4-[6-amino-5-cyano-4-(2-fluorophenyl)pyridin-2-yl]-*N*-(tert-butyl)benzenesulfonamide, (2,4-diamino-3-cyano-5H-chromeno[2,3-b]pyridin-9-yl)oxy]acetic acid,
3-pyridinecarbonitrile, 2-amino-4-methylm
2-amino-6-(2-furyl)nicotinonitrile,
2-amino-4-(2-furyl)-6-(3-hydroxyphenyl)nicotinonitrile,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzamide,
2-amino-4-(2-furyl)-7-hydroxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6-(1H-indol-3-yl)nicotinonitrile,
2-amino-4-pyridin-4-yl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(3-fluorophenyl)-6-(4-hydroxyphenyl)nicotinonitrile,
2-amino-4-[2-(difluoromethoxy)phenyl]-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6-thien-3-ylnicotinonitrile,
2-amino-4-(3-fluorophenyl)-6-(4-methoxyphenyl)nicotinonitrile,
2-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]phenylboronic acid,
2,4-diamino-6-propylpyridine-3,5-dicarbonitrile, and
prodrugs, salts, tautomers, and combinations thereof.

9. The compound according to claim 1, wherein the aminocyanopyridine MK-2 inhibiting compound comprises at least one compound that is selected from the group consisting of:
2-amino-4-(2-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2,3-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
8-amino-6-(2-furyl)-4,5-dihydro-1H-pyrazolo[4,3-h]quinoline-7-carbonitrile,
2-amino-3-cyano-4-(2-furyl)-5,6-dihydrobenzo[h]quinoline-8-carboxylic acid,
4-[2-amino-3-cyano-6-(2-furyl)pyridin-4-yl]-1H-pyrrole-2-carboxamide,
2-amino-4-phenyl-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,

2-amino-6-(2-furyl)-4-(1-methyl-1H-imidazol-4-yl)nicotinonitrile,
8-amino-6-(2-furyl)-4,5-dihydro-1H-pyrazolo[4,3-h]quinoline-7-carbonitrile,
2-amino-4-(2-furyl)-8-hydroxy-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
2-amino-4-(2,6-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-(4-hydroxyphenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-6-(2-furyl)nicotinonitrile,
2-amino-4-(2-fluorophenyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile,
4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]benzoic acid,
2-amino-6-(2-furyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-4-(2-furyl)-6-(1H-pyrazol-3-yl)nicotinonitrile,
2-amino-3-cyano-4-(4H-1,2,4-triazol-3-yl)-5,6-dihydrobenzo[h]quinoline-8-carboxylic acid,
2-amino-6-(3-hydroxyphenyl)-4-(1H-imidazol-5-yl)nicotinonitrile,
2-amino-6-(2-furyl)-4-(1H-imidazol-4-yl)nicotinonitrile,
2-amino-4-(2,4-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile, 4,6-diamino-2-(trifluoromethyl)-2,3-dihydrofuro[2,3-b]pyridine-5-carbonitrile,
2-amino-4-(2-furyl)-6,8-dihydro-5H-pyrrolo[3,4-h]quinoline-3-carbonitrile,
4-[6-amino-5-cyano-4-(2-fluorophenyl)pyridin-2-yl]benzoic acid,
2-amino-4-(2-furyl)-5,6-dihydro-1,8-phenanthroline-3-carbonitrile,
2-amino-6-(3,4-dihydroxyphenyl)-4-(2-fluorophenyl)nicotinonitrile,
2-amino-4-(1-methyl-1H-imidazol-4-yl)-6-phenylnicotinonitrile,
2-amino-4-(2-furyl)-6-(1H-pyrazol-3-yl)nicotinonitrile,
4-[6-amino-5-cyano-4-(1H-imidazol-5-yl)pyridin-2-yl]benzoic acid,
2-amino-4-(3-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-6-(3,4-dihydroxyphenyl)-4-(2-fluorophenyl)nicotinonitrile,
N-{4-[6-amino-5-cyano-4-(2-furyl)pyridin-2-yl]phenyl}methanesulfonamide,
2-amino-4-(2-furyl)-6,7-dihydro-5H-pyrrolo[2,3-h]quinoline-3-carbonitrile,
2-amino-4-(1H-imidazol-5-yl)-6-phenylnicotinonitrile,

2-amino-4-(2-furyl)-5,6-dihydrobenzo[h]quinoline-3-carbonitrile, 2-amino-4-(1H-imidazol-5-yl)-6-(4-methoxyphenyl)nicotinonitrile, and prodrugs, salts, tautomers, and combinations thereof.

10. The compound according to claim 1, wherein the aminocyanopyridine MK-2 inhibiting compound comprises at least one compound that is selected from the group consisting of: 2-amino-4-(2-fluorophenyl)-6,8-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2-furyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
2-amino-4-(2,3-difluorophenyl)-6,7-dihydro-5H-pyrazolo[3,4-h]quinoline-3-carbonitrile,
8-amino-6-(2-furyl)-4,5-dihydro-1H-pyrazolo[4,3-h]quinoline-7-carbonitrile, and prodrugs, salts, tautomers, and combinations thereof.

11. The compound according to claim 1, wherein the compound is capable of inhibiting the activity of mitogen activated protein kinase activated protein kinase-2.

12. The compound according to claim 1, having an MK-2 inhibition IC_{50} of below 200 μM.

13. The compound according to claim 1, having an MK-2 inhibition IC_{50} of below 10 μM.

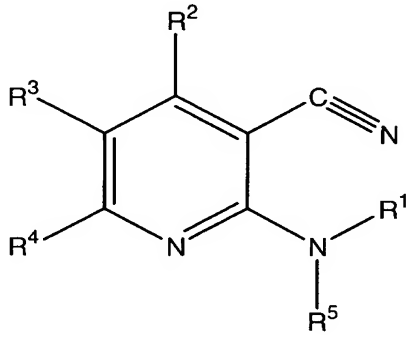
14. The compound according to claim 1, having a TNFα release IC_{50} value of below 200 μM in an *in vitro* cell assay.

15. The compound according to claim 1, having a TNFα release IC_{50} values of below 5μM in an *in vitro* cell assay.

16. The compound according to claim 1, wherein the aminocyanopyridine MK-2 inhibiting compound provides a degree of inhibition of TNFα in a rat LPS assay of at least about 25%.

17. The compound according to claim 1, wherein the aminocyanopyridine MK-2 inhibiting compound provides a degree of inhibition of TNFα in a rat LPS assay of above 80%.

18. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and an anminocyanopyridine compound, or a pharmaceutically acceptable salt or tautomer or isomer thereof, the compound having the structure:

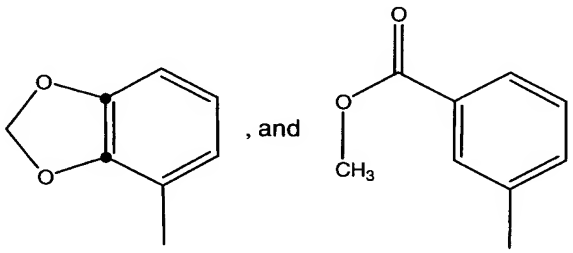


wherein:

R^1 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, carboxy C_1-C_4 alkyl, aryl C_1-C_4 alkyl, amino, amino C_1-C_4 alkyl, C_1-C_4 alkoxy, C_1-C_4 alkylamino, C_1-C_4 alkyl, di-(C_1-C_4 alkyl)amino C_1-C_4 alkyl, C_1-C_4 alkyl-C_1-C_4 alkyl, hydroxy C_1-C_4 alkyl, and aryl C_1-C_4 alkylcarbonyl;

R^2 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, amino, amino C_1-C_4 alkyl, C_1-C_4 alkylamino, aryl, heteroaryl, heterocyclyl, carboxy, carboxy C_1-C_4 alkyl, C_1-C_4 alkoxy, hydroxy, hydroxy C_1-C_4 alkyl, hydroxy C_1-C_4 alkylamino, hydroxy C_1-C_4 alkoxy, C_1-C_4 alkoxy C_1-C_4 alkyl, C_1-C_4 alkoxy C_1-C_4 alkylamino, amino C_1-C_4 alkylamino, aryl C_1-C_4 alkyl, C_1-C_4 alkylamino C_1-C_4 alkyl, di C_1-C_4 alkylamino C_1-C_4 alkyl, C_1-C_4 alkyl C_1-C_4 alkyl, carboxy C_1-C_4 alkyl, aryl C_1-C_4 alkylcarbonyl, phthaloamino C_1-C_4 alkyl, halo, carbamyl, C_1-C_4 alkylthio, C_1-C_4 alkoxyarylamino, C_1-C_{10} mono- and bicyclic cycloalkyl, wherein aryl, heteroaryl, heterocyclyl, mono- and bicyclic cycloalkyl are optionally substituted with one or more of the groups selected from halogen, hydroxy, C_1-C_4 alkoxy, aryloxy, C_2-C_4 alkenyloxy, C_2-C_4 alkynyloxy, C_1-C_4 alkyl, carboxy, carbamyl, C_1-C_4 alkoxycarbonyl, C_1-C_4

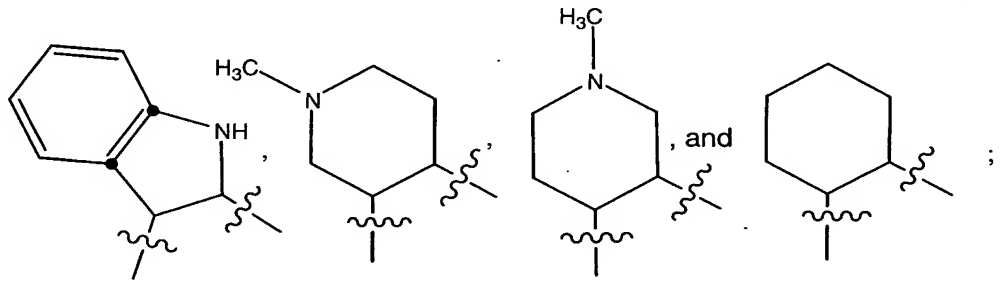
alkoxycarbonyl C_1-C_4 alkoxy, carboxy C_1-C_4 alkoxyamino, C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4 alkyl, tri-halo C_1-C_4 alkyl, hydroxy C_1-C_4 alkoxy, halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy,



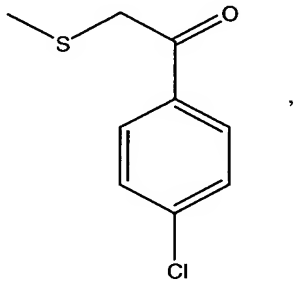
with the proviso that when R^2 is aryl, it is not substituted with nitro;

R^3 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, cyano, amino C_1-C_4 alkyl, amino, aryl, wherein the aryl group is optionally substituted with one or more group selected from halogen, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkyl, carboxy, C_1-C_4 alkoxycarbonyl, carboxy C_1-C_4 alkoxy, amino, di- C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4 alkyl, tri-halo C_1-C_4 alkyl, halo C_1-C_4 alkoxy, di-halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy, except that when R^2 is heteroaryl, R^3 is other than cyano, and

where the R^2 and R^3 groups are such that they optionally join to form a ring system selected from:



R^4 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, hydroxy, C_1-C_4 alkylthio, C_1-C_4 alkoxy, C_1-C_4 alkoxycarbonyl, mercapto, *N*-imidazoylphenyl, C_1-C_4 isoalkyl, aminofluorobenzhydryl, aryl and heteroaryl, wherein the aryl and heteroaryl groups optionally are substituted with one or more groups selected from halogen, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkyl, C_1-C_4 alkylthio, C_1-C_4 alkylsulfonyl, C_1-C_4 alkylsulfinyl, cartoxy, carbamyl, C_1-C_4 alkoxycarbonyl, carboxy C_1-C_4 alkyl, carboxy C_1-C_4 alkoxy, amino, di- C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4 alkyl, tri-halo C_1-C_4 alkyl, halo C_1-C_4 alkoxy, di-halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy



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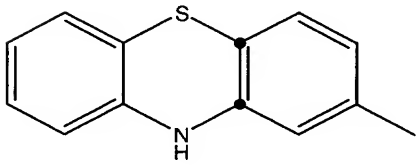
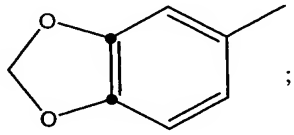
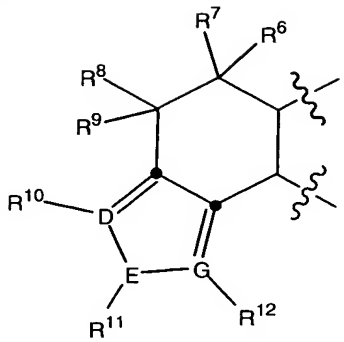


, and



;

wherein the R^3 and R^4 groups are such that they optionally join to form a ring system selected from:


R7
R6
R8
R9
R10
D
E
G
R11
R12

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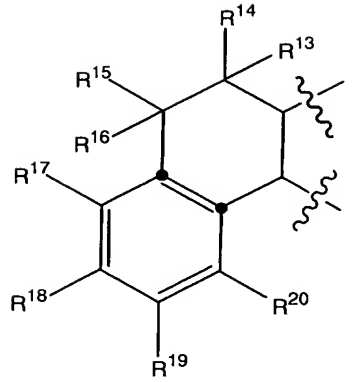
R14
R13
R15
R16
R17
R18
R20
R19

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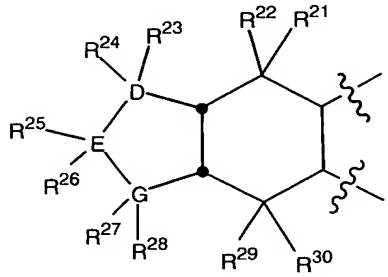
R22
R21
R24
R23
D
R25
E
R26
G
R27
R28
R29
R30

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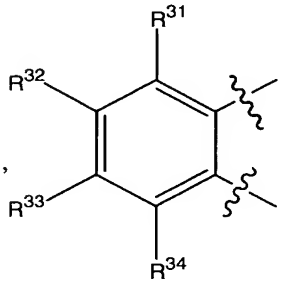
R31
R32
R33
R34

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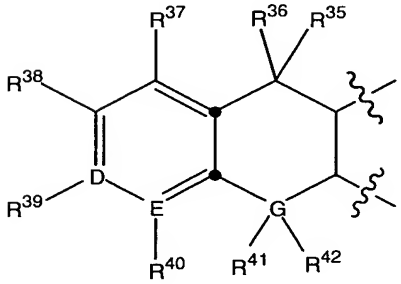
R37
R36
R35
R38
D
R39
E
G
R40
R41
R42

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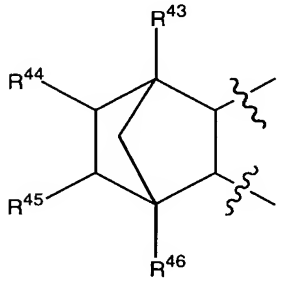
R43
R44
R45
R46

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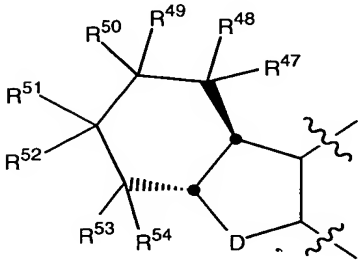
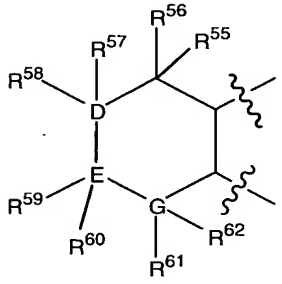

R50
R49
R48
R47
R51
R52
R53
R54
D

,


R56
R57
R55
R58
D
E
R59
G
R60
R62
R61

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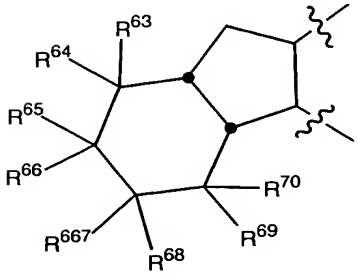
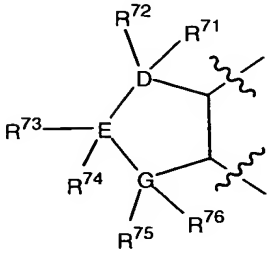

R63
R64
R65
R66
R70
R667
R69
R68

, and


R72
R71
D
R73
E
R74
G
R75
R76

;

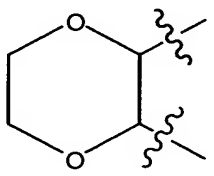
D, E and G are each independently selected from carbon, oxygen, sulfur, and nitrogen;

R^5 is selected from the group consisting of -H, and C_1-C_5 alkyl, provided that at least one of R^1, R^2, R^3, R^4 and R^5 is other than hydrogen; and

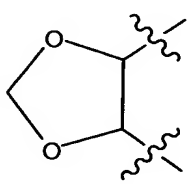
wherein the R^1 and R^5 groups optionally join to form a piperidyl ring or a oxaxinyl ring;

R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18}, R^{19}, R^{20}, R^{21}, R^{22}, R^{23}, R^{24}, R^{25}, R^{26}, R^{27}, R^{28}, R^{29}, R^{30}, R^{31}, R^{32}, R^{33}, R^{34}, R^{35}, R^{36}, R^{37}, R^{38}, R^{39}, R^{40}, R^{41}, R^{42}, R^{43}, R^{44}, R^{45}, R^{46}, R^{47}, R^{48}, R^{49}, R^{50}, R^{51}, R^{52}, R^{53}, R^{54}, R^{55}, R^{56}, R^{57}, R^{58}, R^{59}, R^{60}, R^{61}, R^{62}, R^{63}, R^{64}, R^{65}, R^{66}, R^{67}, R^{68}, R^{69}, R^{70}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, and R^{76} are each optionally present and are each independently selected from the group consisting of -H, C_1-C_4 alkyl, C_2-C_4 alkenyl, C_2-C_4 alkynyl, C_1-C_4 isoalkyl, amino, nitro, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkenoxy, oxo, carboxy, halo, halo C_1-C_4 alkyl, dihalo C_1-C_4 alkyl, trihalo C_1-C_4 alkyl, cyano, cyano C_1-C_4 alkyl, dicyano C_1-C_4 alkyl, halophenyl, hydroxy C_1-C_4 alkoxy, C_1-C_4 alkoxy C_1-C_4 alkoxy, -(CH_2)-O-(C_6H_4)-O-(CH_3), carboxy C_1-C_4 alkoxy, C_1-C_4 alkylcarboxy C_1-C_4 alkoxy, C_1-C_4 alkoxyamino, C_1-C_4 alkylamino, di C_1-C_4 alkylamino, tri C_1-C_4 alkylamino, amino C_1-C_4 alkoxy, diamino C_1-C_4 alkoxy, C_1-C_4 alkylamino C_1-C_4 alkoxy, di C_1-C_4 alkylamino C_1-C_4 alkoxy, cyano C_1-C_4 alkoxy C_1-C_4 alkyl, -(CH_2)-O-(CF_2)-CHF_2, tetra C_1-C_4 alkoxy C_1-C_4 alkyl, phenyl, benzyl, benzoyl, aryl, *N*-morpholinyl, morpholinyl C_1-C_4 alkoxy, pyrrolidyl C_1-C_4 alkoxy, *N*-pyrrolidyl C_1-C_4 alkoxy, C_1-C_4 alkylcarboxy, carboxy C_1-C_4 alkyl - ethyl ester, pyridyl C_1-C_4 alkyl, pyridyl C_1-C_4 alkoxy, -COO-CH_2-CH_3, with the proviso that when E is -N-, R^{38} is not cyano, and that when G is -N-, R^{36} is -H; and

wherein R^{38} and R^{39} are such that they optionally join to form a ring system of the type selected from:



, and



;

with the proviso that when R^1, R^3 and R^5 are hydrogen:

R^2 is other than alkenyl, alkyl, alkynyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocycle, heterocyclealkyl, heterocyclealkylcarbonyl, (NZ_1Z_2)alkyl, or $-R_AR_B$;

where Z_1 and Z_2 are each independently selected from the group consisting of hydrogen, alkoxycarbonyl, alkyl, alkylcarbonyl, benzyl, benzyloxycarbonyl, and formyl;

R^A is selected from the group consisting of aryl and arylalkyl;

R^B is selected from the group consisting of aryl, arylalkoxy, arylalkyl, aryloxy, heterocycle, and heterocyclealkyl; and

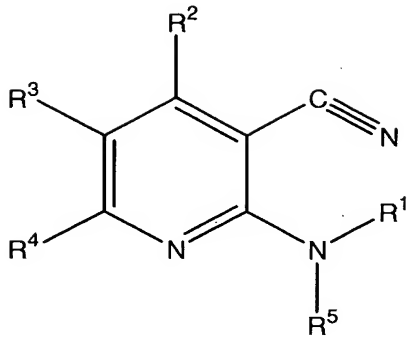
R^4 is other than alkenyl, alkoxyalkynyl, alkyl, alkynyl, cycloalkyl, aryl, arylalkyl, heterocycle, heterocyclealkyl, or $-R_CR_DR_E$;

where R_C is selected from the group consisting of aryl, arylalkyl, heterocycle and heterocyclealkyl;

R_D is selected from the group consisting of aryl, arylalkoxy, arylalkoxyimino, arylalkyl, aryloxy, heterocycle, heterocyclealkoxy, heterocyclealkyl, heterocyclecarbonyl, heterocycleimino, heterocycleoxy, heterocycleoxyalkyl, heterocycleoxyimino, heterocycleoxyiminoalkyl, and heterocyclesulfonyl; and

R_E is absent or selected from the group consisting of aryl, arylalkoxy, arylalkoxyimino, arylalkyl, aryloxy, heterocycle, heterocyclealkoxy, heterocyclealkyl, heterocyclecarbonyl, heterocycleimino, heterocycleoxy, heterocycleoxyalkyl, heterocycleoxyimino, heterocycleoxyiminoalkyl, and heterocyclesulfonyl.

19. A kit for the purpose of treating a TNFα mediated disease or disorder, the kit comprising a dosage form comprising at least one anminocyanopyridine compound, or a pharmaceutically acceptable salt thereof, the compound having the structure:

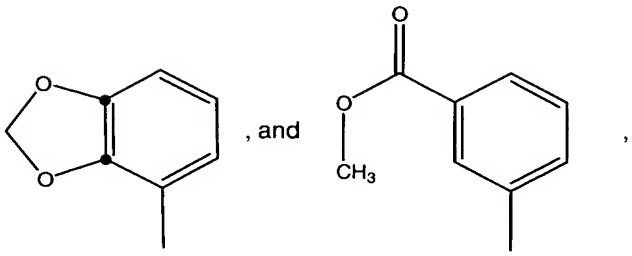


wherein:

R^1 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, carboxy C_1-C_4 alkyl, aryl C_1-C_4 alkyl, amino, amino C_1-C_4 alkyl, C_1-C_4 alkoxy, C_1-C_4 alkylamino, C_1-C_4 alkyl, di-(C_1-C_4 alkyl)amino C_1-C_4 alkyl, C_1-C_4 alkyl-C_1-C_4 alkyl, hydroxy C_1-C_4 alkyl, and aryl C_1-C_4 alkylcarbonyl;

R^2 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, amino, amino C_1-C_4 alkyl, C_1-C_4 alkylamino, aryl, heteroaryl, heterocyclyl, carboxy, carboxy C_1-C_4 alkyl, C_1-C_4 alkoxy, hydroxy, hydroxy C_1-C_4 alkyl, hydroxy C_1-C_4 alkylamino, hydroxy C_1-C_4 alkoxy, C_1-C_4 alkoxy C_1-C_4 alkyl, C_1-C_4 alkoxy C_1-C_4 alkylamino, amino C_1-C_4 alkylamino, aryl C_1-C_4 alkyl, C_1-C_4 alkylamino C_1-C_4 alkyl, di C_1-C_4 alkylamino C_1-C_4 alkyl, C_1-C_4 alkyl C_1-C_4 alkyl, carboxy C_1-C_4 alkyl, aryl C_1-C_4 alkylcarbonyl, phthaloamino C_1-C_4 alkyl, halo, carbamyl, C_1-C_4 alkylthio, C_1-C_4 alkoxyarylamino, C_1-C_{10} mono- and bicyclic cycloalkyl, wherein aryl, heteroaryl, heterocyclyl, mono- and bicyclic cycloalkyl are optionally substituted with one or more of the groups selected from halogen, hydroxy, C_1-C_4 alkoxy, aryloxy, C_2-C_4 alkenyloxy, C_2-C_4 alkynyloxy, C_1-C_4 alkyl, carboxy, carbamyl, C_1-C_4 alkoxycarbonyl, C_1-C_4 alkoxycarbonyl C_1-C_4 alkoxy, carboxy C_1-C_4 alkoxyamino, C_1-C_4 alkylamino, di-C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4

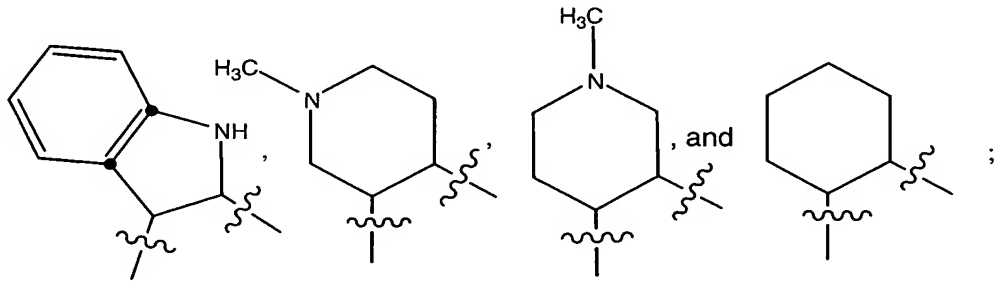
alkyl, tri-halo C_1-C_4 alkyl, hydroxy C_1-C_4 alkoxy, halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy,



with the proviso that when R^2 is aryl, it is not substituted with nitro;

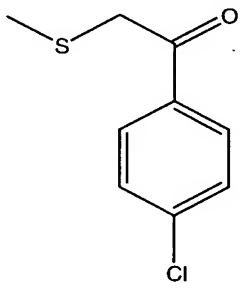
R^3 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, cyano, amino C_1-C_4 alkyl, amino, aryl, wherein the aryl group is optionally substituted with one or more group selected from halogen, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkyl, carboxy, C_1-C_4 alkoxycarbonyl, carboxy C_1-C_4 alkoxy, amino, di- C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4 alkyl, tri-halo C_1-C_4 alkyl, halo C_1-C_4 alkoxy, di-halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy, except that when R^2 is heteroaryl, R^3 is other than cyano, and

where the R^2 and R^3 groups are such that they optionally join to form a ring system selected from:



R^4 is selected from the group consisting of -H, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, hydroxy, C_1-C_4 alkylthio, C_1-C_4 alkoxy, C_1-C_4 alkoxycarbonyl, mercapto, *N*-imidazoylphenyl, C_1-C_4 isoalkyl, aminofluorobenzhydryl, aryl and heteroaryl, wherein the aryl and

heteroaryl groups optionally can be substituted with one or more groups selected from halogen, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkyl, C_1-C_4 alkylthio, C_1-C_4 alkylsulfonyl, C_1-C_4 alkylsulfinyl, cartoxy, carbamyl, C_1-C_4 alkoxycarbonyl, carboxy C_1-C_4 alkyl, carboxy C_1-C_4 alkoxy, amino, di- C_1-C_4 alkylamino, *N*-C_1-C_4 alkyl-*N*-cyano C_1-C_4 alkylamino, nitro, C_1-C_4 alkylcarbonylamino, cyano, halo C_1-C_4 alkyl, di-halo C_1-C_4 alkyl, tri-halo C_1-C_4 alkyl, halo C_1-C_4 alkoxy, di-halo C_1-C_4 alkoxy, tri-halo C_1-C_4 alkoxy



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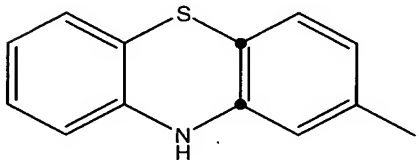
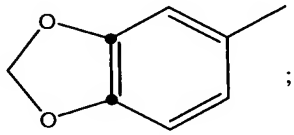
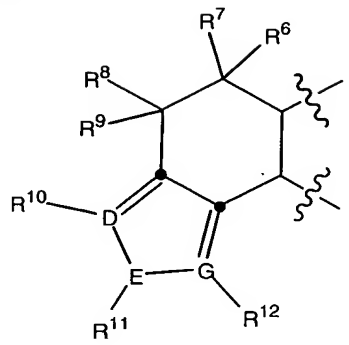


, and



;

wherein the R^3 and R^4 groups are such that they can join to form a ring system selected from:


R7
R6
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D
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R12

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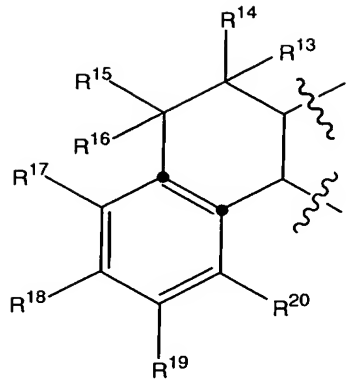
R14
R13
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R17
R18
R20
R19

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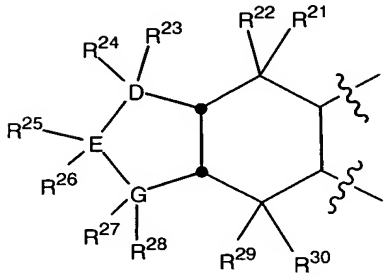
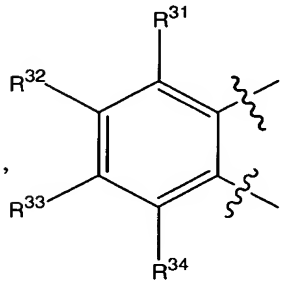
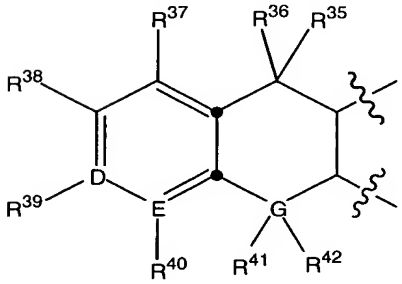

R22
R21
R24
R23
D
R25
E
R26
G
R27
R28
R29
R30

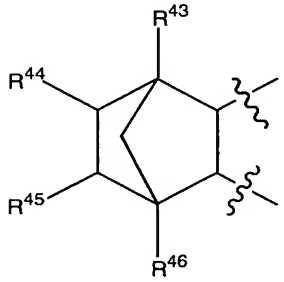
,


R31
R32
R33
R34

,


R37
R36
R35
R38
D
R39
E
G
R40
R41
R42

,


R43
R44
R45
R46

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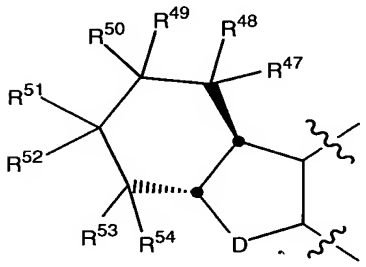
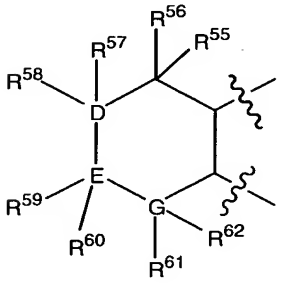

R50
R49
R48
R47
R51
R52
R53
R54
D

,


R56
R57
R55
R58
D
E
R59
G
R62
R60
R61

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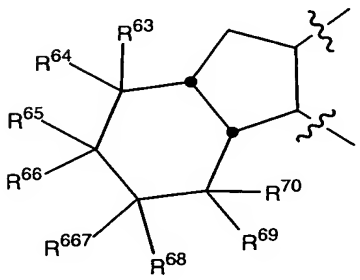
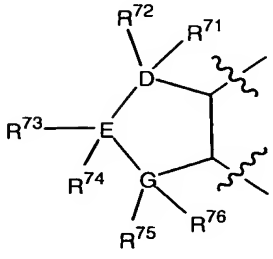

R63
R64
R65
R66
R70
R667
R69
R68

, and


R72
R71
D
R73
E
R74
G
R76
R75

;

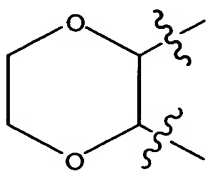
D, E and G are each independently selected from carbon, oxygen, sulfur, and nitrogen;

R^5 is selected from the group consisting of -H, and C_1-C_5 alkyl, provided that at least one of R^1, R^2, R^3, R^4 and R^5 is other than hydrogen; and

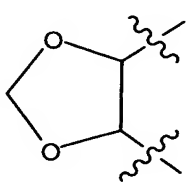
wherein the R^1 and R^5 groups optionally join to form a piperidyl ring or a oxaxinyl ring;

R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18}, R^{19}, R^{20}, R^{21}, R^{22}, R^{23}, R^{24}, R^{25}, R^{26}, R^{27}, R^{28}, R^{29}, R^{30}, R^{31}, R^{32}, R^{33}, R^{34}, R^{35}, R^{36}, R^{37}, R^{38}, R^{39}, R^{40}, R^{41}, R^{42}, R^{43}, R^{44}, R^{45}, R^{46}, R^{47}, R^{48}, R^{49}, R^{50}, R^{51}, R^{52}, R^{53}, R^{54}, R^{55}, R^{56}, R^{57}, R^{58}, R^{59}, R^{60}, R^{61}, R^{62}, R^{63}, R^{64}, R^{65}, R^{66}, R^{67}, R^{68}, R^{69}, R^{70}, R^{71}, R^{72}, R^{73}, R^{74}, R^{75}, and R^{76} are each optionally present and are each independently selected from the group consisting of -H, C_1-C_4 alkyl, C_2-C_4 alkenyl, C_2-C_4 alkynyl, C_1-C_4 isoalkyl, amino, nitro, hydroxy, C_1-C_4 alkoxy, C_1-C_4 alkenoxy, oxo, carboxy, halo, halo C_1-C_4 alkyl, dihalo C_1-C_4 alkyl, trihalo C_1-C_4 alkyl, cyano, cyano C_1-C_4 alkyl, dicyano C_1-C_4 alkyl, halophenyl, hydroxy C_1-C_4 alkoxy, C_1-C_4 alkoxy C_1-C_4 alkoxy, -(CH_2)-O-(C_6H_4)-O-(CH_3), carboxy C_1-C_4 alkoxy, C_1-C_4 alkylcarboxy C_1-C_4 alkoxy, C_1-C_4 alkoxyamino, C_1-C_4 alkylamino, di C_1-C_4 alkylamino, tri C_1-C_4 alkylamino, amino C_1-C_4 alkoxy, diamino C_1-C_4 alkoxy, C_1-C_4 alkylamino C_1-C_4 alkoxy, di C_1-C_4 alkylamino C_1-C_4 alkoxy, cyano C_1-C_4 alkoxy C_1-C_4 alkyl, -(CH_2)-O-(CF_2)-CHF_2, tetra C_1-C_4 alkoxy C_1-C_4 alkyl, phenyl, benzyl, benzoyl, aryl, *N*-morpholinyl, morpholinyl C_1-C_4 alkoxy, pyrrolidyl C_1-C_4 alkoxy, *N*-pyrrolidyl C_1-C_4 alkoxy, C_1-C_4 alkylcarboxy, carboxy C_1-C_4 alkyl - ethyl ester, pyridyl C_1-C_4 alkyl, pyridyl C_1-C_4 alkoxy, -COO-CH_2-CH_3, with the proviso that when E is -N-, R^{38} is other than cyano, and that when G is -N-, R^{36} is -H; and

wherein R^{38} and R^{39} are such that they optionally join to form a ring system of the type selected from:



, and



;

with the proviso that when R^1, R^3 and R^5 are hydrogen:

R^2 is other than alkenyl, alkyl, alkynyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocycle, heterocyclealkyl, heterocyclealkylcarbonyl, (NZ_1Z_2)alkyl, or $-R_AR_B$;

where Z_1 and Z_2 are each independently selected from the group consisting of hydrogen, alkoxycarbonyl, alkyl, alkylcarbonyl, benzyl, benzyloxycarbonyl, and formyl;

R^A is selected from the group consisting of aryl and arylalkyl;

R^B is selected from the group consisting of aryl, arylalkoxy, arylalkyl, aryloxy, heterocycle, and heterocyclealkyl; and

R^4 is other than alkenyl, alkoxyalkynyl, alkyl, alkynyl, cycloalkyl, aryl, arylalkyl, heterocycle, heterocyclealkyl, or $-R_CR_DR_E$;

where R_C is selected from the group consisting of aryl, arylalkyl, heterocycle and heterocyclealkyl;

R_D is selected from the group consisting of aryl, arylalkoxy, arylalkoxyimino, arylalkyl, aryloxy, heterocycle, heterocyclealkoxy, heterocyclealkyl, heterocyclecarbonyl, heterocycleimino, heterocycleoxy, heterocycleoxyalkyl, heterocycleoxyimino, heterocycleoxyiminoalkyl, and heterocyclesulfonyl; and

R_E is absent or selected from the group consisting of aryl, arylalkoxy, arylalkoxyimino, arylalkyl, aryloxy, heterocycle, heterocyclealkoxy, heterocyclealkyl, heterocyclecarbonyl, heterocycleimino, heterocycleoxy, heterocycleoxyalkyl, heterocycleoxyimino, heterocycleoxyiminoalkyl, and heterocyclesulfonyl.